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v. 69
1889/90

THE
COLUMBIAN UNIVERSITY
LAW SCHOOL.

25th ANNUAL COMMENCEMENT,

NEW NATIONAL THEATRE,

Tuesday, June 10, 1890, at 7.45 P. M.

(No seats reserved after 8.15 P. M.)

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• Programme. •

OVERTURE AT 7.45 P. M.

EXERCISES AT 8.15 P. M.

OVERTURE, - - - "Mireilla," - - - Gounod
SELECTION, - - - "Carmen," - - - Bizet
MARCH, - - - "The Loyal Legion," - - - Sousa

INVOCATION.

SERENADE, - - - "Gypsy," - - - Nchl

Address to the Graduating Class.

The Hon. JOHN G. CARLISLE, LL. D.

CORNET SOLO, - - - "Berceuse," - - - Rcyloff

MR. WALTER F. SMITH.

Conferring of Degrees.

JAMES C. WELLING, LL. D.

PICCOLO SOLO, - - - "Through the Air," - - - Demarc

MR. HENRY JAEGER.

Awarding of Prizes.

The Hon. THOMAS B. REED, LL. D.

DIVERTISSEMENT, "Listen to My Tale of Woe," - - - Smith

BENEDICTION.

GALOP, - - - "Imperial," - - - Fletcher

MUSIC BY THE U. S. MARINE BAND.

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OF THE

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OF

THE COLUMBIAN UNIVERSITY,

FOR THE ACADEMIC YEAR 1889-'90.

WASHINGTON:
RUFUS H. DARBY, PRINTER.
1890.

THE NEW UNIVERSITY BUILDING.

The exercises of the College, of the Law School, and of the Scientific School are held in the new University building, situated on the southeast corner of H and Fifteenth streets.

This building is four stories high and has a frontage of 121 feet on Fifteenth street and $64\frac{1}{2}$ on H street, with an annex extending back on the south line 156 feet. The façades are built of pressed and moulded bricks, which latter were especially shaped and modelled for the building, while its terra-cotta ornamentations are artistically designed to give architectural expression to the educational purposes of the edifice. The ascent to the main floor is by iron stairs 12 feet wide, and to the floor above by a massive and ornate staircase 7 feet wide.

In the main story are contained the Law Lecture Hall, 45 feet by 60 feet (capable of seating five hundred persons), the Museum, the University Library, the President's Office, the Reception Room, and one Lecture Room. The upper stories contain Lecture Rooms, Professors' Studies, the Chemical Lecture Hall, the Enosinian Society Hall, &c., &c., while the pavilion which surmounts the building is designed for use by the teacher of Astronomy. The basement story, which is at an average depth of only 12 inches below the pavement, contains several Lecture rooms, the Assay Department, steam-heating rooms, fuel rooms, store rooms, &c. The Chemical Laboratories are relegated to the lateral annex on the south line of the lot, and are separated from the main building by a heavy brick wall. Access to the laboratories is obtained by a spacious stone staircase, built around the main ventilating shaft, and encased by brick walls to make it proof against fire. Heavy brick partitions and iron beams running through the whole building render each tier of rooms secure from communication in case fire should occur in any part of the structure. The building is heated throughout by steam and by a combination of both direct and indirect radiation. The ventilation is effected by a general system dependent on two large shafts and by a special system of flues connecting with these shafts, or with chimneys, and reaching to every room occupied for purposes of instruction.

NOTE.

By an act of Congress approved March 3, 1873, the act to incorporate The Columbian College, in the District of Columbia, approved February 9, 1821, was so far modified as to provide, *inter alia*, "that said Corporation shall be hereafter known and called by the name of The Columbian University, and in that name shall take, hold, and manage all the estate and property now belonging to said College, or that may hereafter be conveyed, devised, or bequeathed to said Corporation by its original name."

CALENDAR.

CURRENT ACADEMIC YEAR (1889-'90).

1889.	Sept. 20.	{ Examination of Candidates for admission } Friday.
	Sept. 21.	
	Sept. 23.	First College Term begins Monday.
	Sept. 23.	First Term Preparatory School begins Monday.
	Oct. 1.	Session of Corcoran School begins Tuesday.
	Oct. 2.	Session of Law School begins Wednesday.
	Oct. 7.	Session of Medical School begins Monday.
1890.	Jan. 24.	First College Term Examination begins Friday.
	Feb. 3.	Second College Term begins Monday.
	Mar. 20.	Commencement of Medical School Thursday.
	April 16.	Senior Examination begins Wednesday.
	May 26.	Second College Term Examination begins Monday.
	June 9.	Anniversary Meeting of Alumni Monday.
	June 10.	Commencement of Law School Tuesday.
	June 11.	{ Commencement of College and Corcoran } Wednesday.
	June 13.	Closing Exercises of Preparatory School Friday.

NEXT ACADEMIC YEAR (1890-'91).

1890.	Sept. 19.	{ Examination of Candidates for admission }	Friday.
	Sept. 20.		{ to College }
	Sept. 22.	First College Term begins	Monday.
	Sept. 22.	First Term Preparatory School begins	Monday.
	Oct. 6.	Session of Medical School begins	Monday.
	Oct. 1.	Session of Corcoran School begins	Wednesday.
	Oct. 1.	Session of Law School begins	Wednesday.
1891.	Jan. 20.	First College Term Examination begins	Tuesday.
	Feb. 2.	Second College Term begins	Monday.
	Mar. 19.	Commencement of Medical School	Thursday.
	April 8.	Senior Examination begins	Wednesday.
	May 25.	Second College Term Examination begins	Monday.
	June 8.	Anniversary Meeting of Alumni	Monday.
	June 9.	Commencement of Law School	Tuesday.
	June 10.	{ Commencement of College and Corcoran }	{ Wednesday.
	June 12.	Closing Exercises of Preparatory School.	Friday.

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CHARLES McCLELLAN	Indiana.
W. A. MEARNs	Pennsylvania.
W. MENCHINE	District of Columbia.
EDWIN S. MERRILL	Maine.
H. C. MERRILL	Michigan.
LEE F. MILLER	Indiana.
GEORGE P. MONEY	Mississippi.
T. PERCY MYERS	District of Columbia.
HARRY NEWCOMB	Michigan.
HARRY W. NEWTON	District of Columbia.
JARVIS P. O'BRIEN	New York
L. H. ORLEMAN	Texas.
GEORGE N. PAGE	District of Columbia.
Z. D. PATTERSON	Michigan.
J. VANHESS PHILLIPS	District of Columbia.
H. W. REED	District of Columbia.
C. R. RICHARDS	Massachusetts.
JAMES W. RICHARDSON	Massachusetts
FRANK C. ROACH	District of Columbia.
L. O. ROBBINS	New York.
W. F. SICARD	New York.
MILTON R. SHAFFER	Pennsylvania.
FRED. H. STEARNS	Ohio.
JULIAN W. STUART	South Carolina
HEATH SUTHERLAND	District of Columbia.
FRANK D. SYRICH	Virginia.
G. BRADLEY TANNER	New York.
A. V. TAYLOR	Utah.
GEORGE E. TEW	District of Columbia
FRANK C. TOWNSEND	Pennsylvania.
IRVING U. TOWNSEND	New York.
E. A. TRESCOT	South Carolina
F. W. VAUGHN, JR.	District of Columbia.
G. R. WALES	Vermont.
ALFRED A. WHEAT	New Hampshire.
L. P. WHITAKER	District of Columbia.
GEORGE L. WILKINSON	Missouri.
J. EDWARD WILLIAMS	New Hampshire.
W. F. WILLIAMS	Louisiana.
H. G. WILLIAMSON	District of Columbia.
WILLIAM H. WILSON	West Virginia.
W. S. WOODWORTH	Virginia.
LEWIS J. YEAGER	Pennsylvania.
JUNIORS	

STUDENTS OF MEDICINE.

THOMAS J. ALCORN	Connecticut.
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EDWIN W. ASHFORD	District of Columbia.
WILLIAM W. AYRES	Pennsylvania.
EDMUND BARRY	District of Columbia.
WILLIAM T. BEERS	Utah.
ALEXANDER F. BERRYHILL	Illinois.
WILLIAM A. BEVARD	Pennsylvania.
LOUISA M. BLAKE	New Jersey.
LEWIS V. BOG	Missouri.
RUFUS D. BOSS	New York.
CORNELIUS B. BOYLE	District of Columbia.
MADISON M. BREWER	Kansas.
BERNARD BUNNEMEYER	District of Columbia.
WILLIAM A. CALDWELL	West Virginia.
JAMES R. CHURCH, A. B.	District of Columbia.
JOHN E. CLARKE, LL. M.	District of Columbia.
ERNEST L. COAKLEY	Virginia.
EDWARD J. COLLINS	Minnesota.
ELLIOTT B. COUES	District of Columbia.
CHARLES S. COWIE	District of Columbia.
EMILY P. COWPERTHWAIT	Pennsylvania.
SAMUEL C. COX	District of Columbia.
ELLEN L. CUDLIP	Pennsylvania.
ROBERT A. DANIEL	District of Columbia.
AUSTIN A. DARRAH	Rhode Island.
GEORGE S. DAVIDSON	Tennessee.
THOMAS P. de GRAFFENREID	Tennessee.
CHARLES M. DE VALIN	District of Columbia.
JAMES F. DOUGLAS	California.
ROBERT DOUGLAS	England.
WALTER C. DUFF	Maryland.
CHARLES S. ELLIOTT	Kansas.
DORSEY F. EMMERT	Maryland.
JOSEPH G. FALCK, B. S.	District of Columbia.
FRANK W. FINLEY	Kentucky.
GEORGE W. FITCH	New Jersey.
HARRIS H. FREEZE	Nebraska.
PATRICK J. GALLAGHER	Pennsylvania.
CHARLES H. GARDNER, B. S.	Maryland.
HENRY E. GARNETT	Virginia.
WILLIAM F. GATCHELL	Ohio.
RICHARD M. GEDDINGS	South Carolina.

HORATIO G. GIBSON, JR.	Kentucky.
WILLIAM S. GIBSON	Maryland.
HENRY S. GOODALL, A. B.	Vermont.
HARRY T. HARDING	District of Columbia.
WILLIAM A. HARRIS, M. D.	Idaho.
GEORGE B. HEINECKE	Illinois.
MEYER HERMAN	Louisiana.
JOHN W. HIGDON, JR.	District of Columbia.
HENRY B. HITZ	District of Columbia.
WILLIAM T. HORD	Kentucky.
THEODORE Y. HULL, B. S.	Missouri.
PHILIP JAISSON	Pennsylvania.
SIDNEY L. JOHNSON	District of Columbia.
CHARLES S. KALE	Virginia.
HENRY E. KALUSOWSKI, PHAR. D.	District of Columbia.
JOHN T. KELLY, JR.	Maryland.
JOHN W. KLEMM	New York.
SAMUEL H. KNIGHT	District of Columbia.
AUGUSTUS E. KNORR	New York.
FRANK LEECH	District of Columbia.
ROBERT A. LEE	Florida.
HENRY LIDDELL, PH. D.	District of Columbia.
MARIA LLEWELLYN	District of Columbia.
WALTER McM. LUTTRILL	Tennessee.
GUSTAVO P. MACIAS	District of Columbia.
LOUIS MACKALL, JR.	District of Columbia.
ROBERT H. MARTIN	Virginia.
WILLIAM A. MARTIN	District of Columbia.
DANIEL P. McCORMACK, A. B.	Wisconsin.
ALEXANDER H. McCORMICK, JR.	District of Columbia.
ALEXANDER B. McDOWELL	Virginia.
ANITA NEWCOMB MCGEE	District of Columbia.
OSCAR A. M. McKIMMIE	District of Columbia.
EATON K. McNEIL	Tennessee.
OSCAR A. MENOCAL	District of Columbia.
JOHN H. METZEROTT	District of Columbia.
SAMUEL C. MILLER	New York.
FRANK L. MITCHELL	Alabama.
FAYETTE H. MONTGOMERY	Kentucky.
VERANUS A. MOORE, B. S.	New York.
EDWARD C. MORSE	Maine.
ANDREW J. NELSON	Virginia.
JAMES R. NEVITT	District of Columbia.
JOHN B. NICHOLS	New York.
PEBBE R. NORRIS	Pennsylvania.

THEODORE E. OERTEL	Rhode Island
JOHN N. OLIVER, JR	District of Columbia.
DAISY M. ORLEMAN	Florida.
MARIAN R. OWENS	District of Columbia.
JOSIE C. PARSONS	Illinois.
AUGUSTA M. PETTIGREW	Maine.
WILLIAM F. R. PHILLIPS	Virginia.
HARRY V. PYLES	Indiana.
MARION O. PYLES, M. D	District of Columbia.
IRVING W. RAND	Arkansas.
HUGH B. REED, JR	New Jersey.
EDMUND S. RHEEM	District of Columbia
THEODORE W. RICHARDS	District of Columbia
HENRY M. ROCHESTER	District of Columbia
STERLING RUFFIN	North Carolina.
STEPHEN M. RYDER	Massachusetts
GEORGE SCHARF	Pennsylvania.
THOMAS M. SHEPHERD	District of Columbia.
JOHN J. SHIRLEY	Wisconsin.
JULIA E. SMITH, M. D.	District of Columbia.
BERNARD J. SMITH	District of Columbia.
JOHN W. STEARN	North Carolina
ALBERT R. STUART, JR	District of Columbia.
JAMES STUART, B. A.	South Carolina.
OLIVER A. T. SWAIN	Massachusetts.
JULIAN L. SWINDELL	North Carolina.
JOSEPH SWINDELL	North Carolina.
EDWARD S. TENNENT	South Carolina.
GEORGE H. TOBIN	Rhode Island.
GEORGE H. TOWNSEND	Virginia.
TYLER TOWNSEND	Michigan.
ROBERT D. TUCKER, M. A	Virginia
OTTO VOSS	Louisiana
ROBERT S. WAGNER	Pennsylvania
JOHN E. WALSH	District of Columbia.
JOHN R. WELLINGTON	Maine
LOWELL C. WILLIAMS	Nebraska
MALLORY WOORSTER	Connecticut
CHARLES ST. V. ZIMMERMAN	District of Columbia.
ROBERT ZIMMERMAN	Virginia

STUDENTS OF MEDICINE

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STUDENTS OF DENTISTRY.

JOHN G. W. BARTSCHER	Maryland
CLARENCE H. BUCKLER	Maryland.

JOHN H. BURCH.....	District of Columbia.
FRANCIS B. BRIGHTWELL.....	District of Columbia.
STEPHEN B. CASSIN.....	District of Columbia.
JESSIE KAPPELER.....	England.
GEORGE A. H. MILLS.....	New York.
CHARLES M. O'LEARY.....	District of Columbia.
JOHN L. REID.....	District of Columbia.
THOMAS W. STUBBLEFIELD.....	District of Columbia.
THOMAS B. WARING.....	New York.
STUDENTS OF DENTISTRY.....	11.

STUDENTS IN THE COLUMBIAN COLLEGE AND THE CORCORAN SCIENTIFIC SCHOOL.

ABBREVIATIONS.

A. C.—Analytical Chemistry.	L.—Latin.
ANTH.—Anthropology.	M.—Mathematics.
AS.—Assaying.	MECH. DR.—Mechanical Drawing.
AST.—Astronomy.	MET.—Meteorology.
B.—Botany.	MIN.—Mineralogy.
C.—Chemistry.	N. S.—Natural Science.
C. E.—Civil Engineering.	PHIL.—Philosophy.
E.—English.	P.—Physiology.
F.—French.	PHYS.—Physics.
G.—Geology.	TOP. DR.—Topographical Drawing.
GER.—German.	Z.—Zoology.
GK.—Greek.	

NAMES.	RESIDENCE.	SCHOOLS
JNO. JACOB ALBERT.....	Dist. of Columbia..	E., Gk., M
L. E. ALBERT.....	Dist. of Columbia..	M., I.
F. L. AVERILL.....	New York.....	C. E., M., F., E
T. N. BADGER.....	Virginia.....	Top. Dr
S. H. BAKER.....	Dist. of Columbia..	Mech. Dr., Ger
W. C. BAILEY.....	Dist. of Columbia..	M
A. C. BARCLAY.....	Dist. of Columbia..	M., Ger., E
J. C. BELL.....	Dist. of Columbia..	E., Gk., L., Ger., F., M., N. S
E. H. BERRY.....	Dist. of Columbia..	M., Ger
W. R. BLACKFORD.....	Dist. of Columbia..	E., L., Ger., F., M., Phil
T. C. BLAKENEY.....	Tennessee.....	M
C. R. BRADBURY.....	Dist. of Columbia..	Mech. Dr
ANDREW Y. BRADLEY.....	Dist. of Columbia..	E., Gk., L., Ger., F., M., N. S
MISS NINA D. BRADLEY.....	Dist. of Columbia..	E., Ger., F., M., N. S
MISS N. A. BRECHT.....	Dist. of Columbia..	F., Ger
HENRY BROCK, JR.....	Dist. of Columbia..	M
PAUL BROCKETT.....	Dist. of Columbia..	E., M., Ger., C., F., Mech. Dr.
MISS M. H. BREWER.....	Dist. of Columbia..	E., Ger., M., N. S
G. V. CHANDLER.....	Dist. of Columbia..	A. C., M
MISS EDNA A. CLARK.....	New Hampshire.....	E., Ger., F., M., N. S
C. GRINNELL COGLEY.....	Dist. of Columbia..	E., Gk., L., Ger., F., M., N. S.
MISS LUCY E. COGLEY.....	Dist. of Columbia..	E., Ger., F., M., N. S
MISS M. A. CONNELLY.....	Dist. of Columbia..	E., M., F., Ger., Min., Ast.
E. R. CONNER.....	Dist. of Columbia..	M., C.
MISS LOUISA COOK.....	Maryland.....	E., Ger., F., M., N. S
W. B. CORSE.....	Dist. of Columbia..	C. E
ELLIOTT B. COUES.....	Dist. of Columbia..	Gk., L., Ger., F., M., N. S

H. E. CROOK	Dist. of Columbia	Top. Dr.
R. F. CURTISS	Maryland	E., Ger., F., M., N. S.
B. DALY	New York	A. C.
C. A. DAVIS	Ohio	A. C.
SAMUEL T. DAVIS, JR.	Dist. of Columbia	E., Gk., L., Ger., F., M., N. S.
W. C. DAVIS	Kentucky	E., C., M., Phys., C. E.
J. B. DERRICK	Dist. of Columbia	L.
GEORGE W. DREW	Dist. of Columbia	M., E., Ger., C., C. E.
B. DUBARRY	Dist. of Columbia	M., E.
H. F. DURKIN	Dist. of Columbia	M., Mech. Dr.
L. H. DYER	Dist. of Columbia	E., C., Phys., Mech. Dr.
EDGAR S. ECKLES	Pennsylvania	E., Ger., N. S., L., C.
E. P. ELLIS	Dist. of Columbia	Mech. Dr.
CHARLES FAIR	Dist. of Columbia	M.
J. F. FAIRCHILD	Dist. of Columbia	C. E.
WILLIAM FAIRFAX	New York	A. C.
R. A. FARMER	Tennessee	E.
C. FERNALD	Dist. of Columbia	M., Phys.
SHERIDAN FERREE	Dist. of Columbia	A. C.
E. K. FIELD	Korea	A. C.
C. K. FINCKEL	Dist. of Columbia	C.
H. D. FINCKEL	Dist. of Columbia	M., I.
L. A. FISCHER	Dist. of Columbia	E., Ast., F., C. E., Top. Dr., M.
CHARLES L. FRAILEY	Dist. of Columbia	E., Gk., L., Ger., F., M., N. S., Phil.
THEO. FRIEDIS, JR.	Dist. of Columbia	M., C. E., Phys., E.
N. EVANS FUGITT	Maryland	E., Gk., L., Ger., F., N. S., M.
PERRY FULLER	Dist. of Columbia	E., Phys., M., Ger.
A. T. GAGE	Dist. of Columbia	C., Phys.
H. R. GARLAND	Virginia	M.
M. M. GREEN	New York	M.
MISS SARA P. GROGAN	Georgia	M.
F. HAMLINK	Dist. of Columbia	M.
A. L. HARRIS	Dist. of Columbia	M., C. E.
W. E. HARVEY	Connecticut	M.
MISS R. A. HASELTINE	Missouri	Mech. Dr.
H. H. HAWLING	Dist. of Columbia	E., Ger., F., N. S., M., I.
H. A. HAYWARD	Minnesota	E., M., F., Phys., Min.
MISS ANNIE L. HAZELTON	Dist. of Columbia	E., M., F., Ger., Phys., Min.
GEORGE C. HAZELTON, JR.	Dist. of Columbia	E., Gk., F., M., Phil.
MISS EVA V. HETH	Virginia	E., L., Ger., F., M., N. S.
H. G. HODGKINS	Dist. of Columbia	E., Gk., L., Ger., F., M., N. S., Phil.
F. W. HOLT	Wisconsin	M.
N. C. M. HORNE	Dist. of Columbia	M.
C. E. HUCK	New York	Mech. Dr., M.
J. S. HUNTER	Dist. of Columbia	Top. Dr.

A. L. JACKSON	Texas	A. C., Mech. Dr.
E. HILTON JACKSON	Virginia	E., Gk., L., Ger., F., M., N. S., Phil.
F. M. JOHNSON	Dist. of Columbia	Mech. Dr.
J. SCOTT JOHNSON	Virginia	E., Gk., L., Ger., F., M., N. S.
S. P. JOHNSON	Dist. of Columbia	E., M., Ger.
HORACE W. JONES	Dist. of Columbia	E., Gk., L., Ger., M., N. S., Phil.
L. B. KENDALL	New York	M., F., Phys.
C. P. KINDLEBERGER	Dist. of Columbia	E., Gk., L., Ger., F., M., N. S., Phil.
H. V. KING	Dist. of Columbia	Mech. Dr.
W. R. KING	Ohio	M.
E. H. KLEMROTH	Dist. of Columbia	Top. Dr.
E. S. LAFETRA	Dist. of Columbia	M., Ger.
BROWN B. H. LAWRENCE	Dist. of Columbia	E., Gk., L., Ger., F., M., N. S.
W. E. LEONARD	Iowa	E., M.
J. C. LEWIS	Connecticut	M., C., Ger., E., Mech. Dr.
W. H. LEWIS	Dist. of Columbia	L.
JUDSON D. LINCOLN	Dist. of Columbia	M., E.
WALKER DAVIS MACLEAN	Illinois	E., Gk., L., Ger., F., M., N. S., Phil.
W. R. MACKRILLE	Maryland	M., Phys.
R. L. MADDOX	Kentucky	M., E., C., L.
MISS LAURA N. MANN	Dist. of Columbia	E., F., N. S.
C. L. MARLATT	Kansas	F.
R. B. MARSHALL	Virginia	M.
J. J. MASON	Virginia	M., Mech. Dr.
MISS SALLIE MASON	Dist. of Columbia	E., F., N. S., M., L.
MISS JANET McWILLIAMS	Dist. of Columbia	M., Ger., F.
C. C. MEADS	Dist. of Columbia	M., Phys.
A. E. H. MIDDLETON	South Carolina	E., Ger., M., N. S.
S. C. MILLER, M. D.	Minnesota	M.
G. E. MITCHELL	New York	M.
J. W. MITCHELL	Dist. of Columbia	M., Top. Dr.
F. MORAN	Dist. of Columbia	E., M., F., Ger., Mech. Dr., C.
F. MOORE	Dist. of Columbia	Phys., M., Mech. Dr.
A. L. MORSELL	Dist. of Columbia	Phys.
MISS EMMA B. MOSES	Dist. of Columbia	E., F., M.
J. T. MOUNT	Dist. of Columbia	E., M., Mech. Dr., C.
R. MULDROW	Mississippi	E., M., Ger., C., Mech. Dr.
T. L. NAPTON	Montana	E., Ger., N. S., M., F.
C. F. NESBIT	Missouri	E.
C. C. J. NORRIS	Illinois	C. E.
J. T. PARSON	Dist. of Columbia	M.
CHARLES PAUL	Dist. of Columbia	L.
C. E. PELZ	Dist. of Columbia	M.
W. S. POST	Illinois	M., C. E., Mech. Dr.
MISS MARY C. PRIEST	Dist. of Columbia	E., M., L., Ger., F., N. S.

CHARLES L. PYNE	Maine	E, Gk, L, Ger, F, N, S, M.
HENRY R. PYNE, JR	Maine	E, Gk, L, Ger, F, N, S, M.
J. J. QUINN	Dist. of Columbia	E, M, F, Ger, Mech. Dr, C
G. S. RANDALL	Dist. of Columbia	E, M, Ger, Mech. Dr, C
EDMUND P. RAMSEY	New Jersey	Ger, F, M, N, S, Mech. Dr
THEO. W. RICHARDS	Dist. of Columbia	E, Ger, F, M, N, S
C. F. RICHARDSON	Dist. of Columbia	M, Ger.
E. C. RUEBSAM	Dist. of Columbia	M, C. E., F., Ast., Top. Dr.
F. R. RYNEK	Dist. of Columbia	M, E., Mech. Dr., F., Ger., C
W. E. H. SEARCY, JR.	Georgia	E, L, N. S., Phil.
R. B. SEWARD	Connecticut	E, C.
J. B. SHALLENBERGER	Dist. of Columbia	E, Gk, L, Ger, F, M, N, S
JOSIAH W. SHAW	Dist. of Columbia	E, Ger, F, N, S, L, M, C
ARTHUR B. SHEPARD	New York	E, M.
J. E. SHEPHERD	Indiana	C, Phys.
MISS F. S. SHIPMAN	Virginia	E, Gk, L, Ger, F, M, N, S
MISS NELLA B. SHUTE	Dist. of Columbia	E, F, N, S
R. D. SIMMS	Dist. of Columbia	M.
W. M. SMITH	Pennsylvania	A, C
T. B. SNODDY	Tennessee	M
A. D. SPANGLER		L.
EWING S. SPEED	Kentucky	M, Mech. Dr.
GEORGE STEIGER	Dist. of Columbia	A, C
W. G. STEWART	Louisiana	C, E.
JOHN H. STONE	Dist. of Columbia	E, L, Ger, F, M, N, S
J. M. STURGES	Tennessee	E.
MISS IDA I. SUMMERS	Dist. of Columbia	E.
O. A. T. SWAIN	Massachusetts	A, C.
E. B. SWINGLE	Dist. of Columbia	C, E.
A. P. TALLMADGE	Dist. of Columbia	E, M, N, S, C
CORCORAN THOM	Maryland	M, N, S.
W. R. THOMSON	Maryland	E, L, Ger, F, M, N, S
MISS F. E. THROCKMORTON	Dist. of Columbia	E, Gk, L, Ger, F, M, N, S
ERNEST L. THURSTON	Dist. of Columbia	E, L, Ger, F, M, N, S
MISS MABEL N. THURSTON	Dist. of Columbia	E, Gk, L, Ger, F, M, N, S, Phil.
H. C. VAN DYKE	New York	Mech. Dr.
MAYO VICE	Dist. of Columbia	L.
W. J. WALKER	Dist. of Columbia	C, Phys., Ger., Mech. Dr.
W. U. WATSON	Iowa	E.
R. L. WEBB	Dist. of Columbia	Phil., Ger.
MARCUS WHITE	Dist. of Columbia	A, C.
C. C. WILLIAMS	Dist. of Columbia	E, M, Ger, Mech. Dr., Ast., C.
E. W. WILLIAMS	Dist. of Columbia	E, Gk, L, Ger, F, M, N, S.
WALTER L. WILSON	West Virginia	F, Ger, M, N, S.

W. H. WILSON.....West VirginiaE., Phil.,
 JNO. A. WISE.....Dist. of Columbia..E., L., F., M., N. S.
 J. C. WOOD.....Dist. of Columbia..E., M., Mech. Dr., Ger., C.

STUDENTS IN ARTS AND SCIENCES164

RECAPITULATION.

Students of Law	210
Students of Medicine.....	128
Students of Dentistry.....	11
Students in Arts and Sciences	164
Aggregate	513
Students in the Preparatory School	97
Total	610

THE LAW SCHOOL.

The Law School of the Columbian University is held in the University Building, situated on the southeast corner of Fifteenth and H streets.

ADMISSION.

The course of study is adapted to graduates of colleges, and to any who have attained a competent discipline of their mental powers. All, however, who desire are admitted to the recitations and lectures of the School, it being understood that their graduation will depend on their success in mastering the daily exercises and in passing the final examinations. No one is admitted as a candidate for graduation in the Senior Class who has not spent one year either at this or some other Law School, or performed a corresponding amount of study under some approved attorney.

SESSIONS.

The entire course of study in the undergraduate department embraces two years. The annual session begins on the first Wednesday in October and ends on the Tuesday next before the second Wednesday in June. The exercises of the School begin daily at 6 o'clock P. M., giving to the student the entire day for study, for reading in the public libraries, and for attending the several courts of the Capital and at the same time enabling young men engaged in office duties to avail themselves of the facilities of the School.

COURSE OF INSTRUCTION.

The School has three classes, a Junior and a Senior in the undergraduate department, and a Graduate Class in Practice.

Junior Class.

PROF. COX.

(Associate Justice of the Supreme Court of the District of Columbia.)

The instructor of the Junior Class, aiming to secure for his pupils as thorough and accurate a knowledge of

the law of *real and personal property, of contracts, and of crimes and misdemeanors*, as it is possible for them to attain within the brief period of a scholastic year, places in their hands, successively, *Blackstone's Commentaries*, *Kent's Commentaries*, *Parsons on Contracts*, and *Byles on Bills*, as text-books, to be carefully read and studied. He meets the class on Monday, Wednesday, and Friday of each week. For each meeting a lesson of moderate length is assigned, and the lesson for the evening forms the subject of his lecture. In his lecture he reviews, illustrates, and simplifies, as far as he can, the teachings of the lesson, shows how far, and in what particulars, the law contained in it has been repealed or modified, either by English or American statutes, or by the American common law: and tries to remove the doubts and uncertainties that are apt to trouble and perplex those entering for the first time upon the study of law. And to insure a careful reading of the lesson and proper attention to his lecture, he, at the close of the latter, questions the class upon the important points of each, and, by his catechetical analysis, reproduces and impresses upon the memories of his pupils the teaching of both lesson and lecture.

The Senior Class.

PROF. MAURY.

(Assistant Attorney-General of the United States.)

The students of the Senior Class meet the Professor charged with their special instruction on Tuesday, Thursday, and Saturday of each week, and while pursuing the special studies of the Senior course are required to attend the recitations and lectures of the Junior year, that they may be thoroughly grounded in the law of real and personal property and of contracts.

The special studies of the Senior year begin with Common Law Pleading, in which *Stephen on Pleading*, as edited by Tyler, is used as the text-book of the class. Next follow instructions on the Law of Evidence, with the first volume of *Greenleaf on Evidence* as a manual. To these succeed instructions in Equity Jurisprudence and Equity Pleading and Practice—*Smith's Manual of*

Equity and Mitford and Tyler's Pleadings and Practice in Equity being the text-books used under these heads. The closing part of the course is occupied with the *Law of Partnership* considered in itself and in its relations to remedies afforded in Courts of Equity. And, because of their especial character, lectures are given on the remedies, Ejectments, Quo Warranto, Scire Facias, and Mandamus, as also lectures, by way of review, on Pleading and on Evidence, delivered at the close of the whole course.

The method of instruction pursued in this class is as follows: A lesson comprising a certain number of pages in the text-book is assigned to the class, and on the subject-matter of this lesson the Professor at his next meeting lectures according to the requirements of the case. At the next meeting he examines the class on the text and lecture of the preceding meeting, using for this purpose carefully-written questions, and calling up indiscriminately the members of the class. In this way the students are trained to reproduce with readiness and accuracy the principles they have learned both from the text-books and the lectures of the Professor.

LECTURES ON CONSTITUTIONAL LAW.

PROFESSOR HARLAN.

(Associate Justice of the Supreme Court of the United States.)

A course of Lectures on the Constitution of the United States, extending through the greater part of each scholastic year, is delivered by Mr. Justice HARLAN, of the Supreme Court of the United States.

In this course the Student is made acquainted with the principles of Constitutional Law which had been established in England at the time our Government was organized, as well as with the history of the origin and formation of the Constitution of the United States. In this way it is sought to show how far the Constitution, in its underlying principles, was an orderly and progressive evolution of political ideas in the British race, and how far, in its special structure and provisions, it was a new creation adapted by its framers to the con-

ditions and wants of the American States and people at the date of its formation.

The Lectures upon these subjects are followed by an examination of each separate clause of the Constitution, with a reference to, and a discussion of, the leading adjudications in this country, which show how each clause of the instrument has been interpreted by the courts, especially by the Supreme Court of the United States.

These Lectures are delivered every Saturday and are open to both the graduate and the undergraduate classes of the School.

LIBRARY AND READING-ROOM.

A Law Library, comprising the works of standard text-writers, the British and American Reports, books of reference, etc., is open for purposes of study and consultation daily from 9 o'clock A. M. to 10 o'clock P. M., with a brief intermission in the afternoon. Attached to the Library is a reading-room, supplied with Law Reviews and Law Periodicals, as well as with other leading reviews and periodicals in science and literature.

SOCIETY OF LEGAL DEBATE.

A Debating Society is organized by students of the School for purposes of investigation, discussion, and practice in parliamentary law. This Society holds public exercises under the auspices of the University at the close of each scholastic year.

SPECIAL FACILITIES.

The city of Washington furnishes special facilities for the law student as well as for the general scholar. The unequalled collection of the Congressional Library is open during seven hours of each day to all who wish to examine any authority or to take notes from any book of reference, ancient or modern. Besides the local courts, both of criminal and civil jurisdiction, the sessions of the Supreme Court are valuable for practical instruction to students. In addition to these, the discussions on patent law, the deliberations of the Court of Claims, and the debates on Constitutional and international law in the Halls of Congress form a combination of facilities open to students at the National Capital.

EXAMINATION AND GRADUATION.

All candidates for graduation are required to pass a general examination, at the end of the course, on all the studies of the two years, in the presence of the Faculty and of such committee as the Trustees of the University may appoint. This examination is conducted upon printed questions, which are answered by each student in writing.

The degree of Bachelor of Laws is granted to students who, having passed both years of the prescribed course in the School, or who, on presenting credentials of equivalent study in some law college or office, and passing one year in the School, shall sustain a satisfactory examination in all the studies of both the Junior and Senior classes.

The time spent in the Law School of the University is counted as part of the period of study required for admission to the bar of the Supreme Court of the District of Columbia.

PRIZES.

A prize of \$100, called "The Parker Prize," in honor of its donor, Myron M. Parker, LL. B., is awarded to the student who passes in each year the best examination for the degree of Bachelor of Laws.

Three prizes, one of forty dollars, one of thirty dollars, and one of twenty dollars, are annually given to the respective authors of the best three essays among all those handed in by such members of the Senior Class as shall compete for them and shall pass a successful examination for the degree of Bachelor of Laws.

PRIZE MEN IN 18-8-'89.

WILLIAM H. STAYTON, LL. B., of District of Columbia	Parker Prize
S. A. HOBSON, LL. B., of Alabama	First Prize
MILTON B. GILMORE, LL. B., of Tennessee	Second Prize
WILLIAM C. STUART, LL. B., of District of Columbia	Third Prize

COMMENCEMENT.

The degrees are publicly conferred, and the prizes publicly delivered at the annual commencement of the

Law Department, when, in connection with other appropriate exercises, an address is delivered to the graduating class by an eminent member of the bar whom they and the Faculty may have selected for that purpose.

EXPENSES

The entire charge for tuition, lectures, and all the facilities of the School is *eighty dollars* for a single year, or *one hundred and fifty dollars* for two scholastic years, payable in advance, half yearly, or in monthly instalments, at the option of students. Students who devote three years or more to the preparation for graduation may have this privilege by the payment of *two hundred dollars* for the entire course. If a student shall, for any cause, intermit the studies of either his first or his second year at any point before graduation, the payments he may have made during either or both of these years will not work exemption from the regular monthly dues of any subsequent year on which he may attend the School; but it shall always be open to him to profit by the benefits of the three years' rule. A charge of *two dollars* is made for diplomas. Students from abroad can secure board at prices as reasonable as in any other city.

Graduates of the School are admitted to all lectures of the undergraduate course in subsequent years without charge.

Graduate Course in Practice.

The Graduate course of instruction in Common Law Practice and in Equity Pleadings and Practice, designed to show the application of the principles of law to the transaction of business life and to the actual proceedings of courts, is conducted by Professors MAURY and DAVIS, as a supplement to the undergraduate course of the Law School.

In the Common Law Branch the students use a work on Practice prepared by Professor Cox, after which they are exercised in the conduct and trial of causes, and thus taught to apply their theoretical learning in pleadings, practice and evidence. In connection with this course it is intended that they shall also study some such work as *Archbold's Law of Nisi Prius*. During more than half the term the exercises are those of a Nisi Prius Moot Court, over which Professor HENRY E. DAVIS, sometime Assistant Attorney of the District, presides.

In the Equity Branch the students are instructed by Professor MAURY in the general principles of equity pleadings, and in the mode of conducting an equity case. The text-book employed will be *Mitford and Tyler's Equity Pleading and Practice*.

In addition to the instruction in legal and equitable procedure, Professor MAURY delivers a special course of lectures on the jurisdiction, practice, and peculiar jurisprudence of the Courts of the United States.

Candidates for admission to the Graduate course are required to furnish evidence that they have been diligent and successful students of law for the term of two years. Diplomas of respectable law schools, certifying that their holders have been graduated after such a term of study, will be received as evidence of qualification for admission to the course. At the end of the course all such students who shall sustain a satisfactory examination in its instructions and exercises will be entitled to a diploma admitting them to the degree of

Master of Laws. Students who have pursued a two years' term of study in a lawyer's office will also be admitted to the course, on presenting a certificate of the fact from a lawyer under whose direction they may have studied; but such students, if aspiring to the degree of Master of Laws, will be required, as a condition of receiving it, to sustain a satisfactory examination for the degree of Bachelor of Laws as well as for the degree of Master of Laws.

The tuition fee for this course, covering a period of nine months, is *twenty-five dollars*. It does not carry with it the privilege of attending the Lectures of the undergraduate course, except in the case of students who are graduates of the School.

BRITTON PRIZE

A prize of \$50, called "THE BRITTON PRIZE," in honor of its donor, ALEXANDER T. BRITTON, Esq., is annually awarded to the student who passes the best examination for the degree of Master of Laws.

This prize, in the year 1888-'89, was equally divided between CLARENCE A. BRANDENBURG, LL. M., of District of Columbia, and JAMES C. BUSHBY, LL. M., of Dakota.

LECTURES ON CRIMINAL LAW AND PROCEDURE

The Hon. AUGUSTUS S. WORTHINGTON, LL. B., a graduate of the Law School of the Columbian University and for many years the United States District Attorney for the District of Columbia, delivers a series of Lectures on Criminal Law and Criminal Procedure. These lectures will be supplementary to the fourth book of Blackstone, and will show to what extent the principles, in regard to public wrongs, laid down by Blackstone are applicable in this country at the present day, and will treat particularly of other principles and of offenses which are either not discussed by Blackstone, or do not receive from him the attention which their importance in later times requires.

The Lectures upon Criminal Procedure will treat of pleading and practice in criminal cases, and in discussing the procedure at the trial of criminal cases the difference between criminal and civil practice in regard to the rules of evidence will be pointed out.

To these Lectures will be added one or more on Legal Bibliography, the object of which will be to acquaint the student with the comparative value of the various English and American reports, and to instruct him how and where to look for the authorities on questions of law as they arise in actual practice.

The Course is open to all the classes of the School.

LECTURES ON PRACTICAL COMMERCIAL LAW.

WILLIAM F. MATTINGLY, Esq., a member of the bar of the District of Columbia, will deliver a special course of Lectures upon questions constantly arising in business life, in banking, in the use of commercial paper, and in the purchase and sale of merchandise, as illustrated by study of actual cases.

The course is open to all the classes of the School.

LECTURES ON THE HISTORY OF LAW

Professor HENRY E. DAVIS, A. M., LL. M., will deliver a course of Lectures giving a general view of the Origin of the English Law and its Development in England and the United States.

The course is open to all the classes of the School.

THE MEDICAL SCHOOL.

The building in which this School holds its sessions, the munificent gift of the late WILLIAM W. CORCORAN, is situated on H street, between Thirteenth and Fourteenth streets, in Washington. It has recently been enlarged and renovated.

The School has a museum containing a valuable collection, and is provided with other appointments suitable for the purpose of medical, anatomical, and surgical study.

The plan of instruction comprises a complete course of scholastic lectures in the seven essential branches of medical science, viz., Anatomy, Physiology, *Materia Medica*, Chemistry, Surgery, Obstetrics, and the Theory and Practice of Medicine; and, conjoined with this, ample opportunities are afforded for bedside instruction, by which the general principles taught in the lecture-room can be verified and practically illustrated in the various modes of examining patients, analyzing symptoms, and arriving at a correct diagnosis and prognosis of any case that may be presented. In like manner is taught the art of prescribing medicines and of observing their effects, the mode of performing surgical operations, &c.

In addition to full sets of diagrams to illustrate the subjects considered by the several Chairs, the College has provided a Sciopticon, or Lantern, which enables the Lecturer to give the class faithful and exact (photographic) views of both normal and pathological structures. Practical laboratory instruction will be given during the session in Normal and Pathological Histology, and Chemistry. The laboratory has been supplied with microscopes and with the necessary appliances for the study of these subjects.

The course in Normal Histology is open to students during the first and second years of their tuition, and the course in Pathological Histology to third-year students only. Both these courses constitute a necessary part of college work, and attendance upon them is not optional, but obligatory.

The Spring Course of Lectures begins in April, and comprehends Lectures and Practical Instruction on Diseases of the Eye and Ear; Toxicology and Chemical Analysis; Histology; Mental Diseases; Diseases of the Skin; Medical Jurisprudence, and Diseases of Children.

CLINICAL INSTRUCTION.

The opportunities for clinical instruction in the city of Washington have increased in proportion to its augmented population and growing business activity.

In addition to the opportunities afforded for general instruction in Medicine and Surgery by the larger hospitals of the city, facilities are provided by which the student may qualify himself for the treatment of certain special departments of disease, which have of late acquired considerable prominence in Medical Practice, and in the successful management of which a certain skill is necessary that can be acquired only by special courses of clinical instruction.

Diseases of Infants and Children.—In this important class of maladies special clinical instruction is given at the Children's Hospital by the Attending Physicians and Surgeons, among whom are Prof. W. W. JOHNSTON and Prof. J. FORD THOMPSON. Students are admitted to the clinics free of charge, and also to the Dispensary service, which is open daily from 2.30 to 4.30 o'clock P. M. Under direction of the Medical and Surgical attendants of the Institution ample opportunity is afforded the student to become practically acquainted with the diagnosis and treatment of the diseases of early life.

Diseases of the Eye and Ear. Many medical students begin practice with only a superficial knowledge of the diseases affecting the organs of sight and hearing. To remedy this defect clinical lectures are given during both the winter and spring course by Dr. FRANCIS B. LORING.

The Central Dispensary and Emergency Hospital treats a large number of patients. The Dispensary has six separate departments, exclusive of the Emergency Hospital, viz.: 1, Diseases of Children; 2, Diseases of Women; 3, Diseases of the Eye and Ear;

4. Diseases of the Throat and Lungs; 5, Surgical Cases; 6. General and Nervous Diseases. The services are held daily from 1 to 3 P. M. During the winter clinical lectures are given on Sunday by members of the Attending Staff, admission to which is secured by means of cards obtained from the Secretary of the Staff. There are three Dispensary studentships and a Resident studentship open to undergraduates.

On the whole, it may be stated that the various Dispensaries and Hospitals of the city of Washington afford facilities by which the student may obtain all the information he desires in the way of clinical instruction, and, as the number of students in attendance is never very large, a good opportunity is afforded for close and exact observations in pathology and treatment.

All clinical instruction is free of charge.

PRACTICAL ANATOMY.

The Dissecting-Room, newly constructed in the most approved style, is large and thoroughly ventilated. It is amply supplied with gas-light, water, and everything that can contribute to the convenience and comfort of the student. The room is open during the day, and in the evening until 11 P. M., under the direction of the Demonstrator of Anatomy.

Dr. WM. M. GRAY will conduct a course of practical instruction in Histology in connection with the Chair of Physiology. In this course students will have the opportunity to become familiar with the use of the microscope, and with the minute Anatomy of the tissues and organs of the body.

Dr. G. N. ACKER will give a course in Pathological Histology, in which will be shown the principal tissue alterations found in disease.

GENERAL SKETCH OF THE SEVERAL LECTURE COURSES.

SURGERY.

PROF. J. FORD THOMPSON, M. D., ONE OF THE ATTENDING SURGEONS
TO THE GARFIELD, CHILDREN'S, AND EMERGENCY HOSPITALS.

The principles and practice of Surgery are taught from this Chair, both by didactic lectures and clinical instruction. Orthopedic Surgery and Diseases of the Genito-Urinary system are included in this course. At the College, operations will be performed upon the *cadaver*, and the use of all important surgical instruments and appliances will be demonstrated in the same manner. A collection of colored models, of life size, illustrating Surgical Anatomy, forms a feature of the surgical course.

THEORY AND PRACTICE OF MEDICINE.

PROF. W. W. JOHNSTON, M. D., ONE OF THE ATTENDING PHYSICIANS
TO THE CHILDREN'S HOSPITAL.

The instruction in this department includes lectures on General Pathology, General Diseases, and Diseases of Organs.

The Study of Pathological Anatomy will always be made a prelude to that of disturbed function.

Illustrations and practical instruction are largely used to supplement didactic teaching.

OBSTETRICS AND THE DISEASES OF WOMEN AND CHILDREN

PROF. A. F. A. KING, A. M., M. D., ONE OF THE CONSULTING PHYSICIANS
TO THE CHILDREN'S HOSPITAL.

This course will comprise a Series of Lectures on the Science and Practice of Midwifery, together with additional Lectures on Gynecology. The main purpose of the Lecturer will be to explain, impress, and simplify the matters to be studied in the books, so as to render them more easily intelligible, and, hence, more pleasing and satisfactory to the student. With this view the Lectures will be illustrated by diagrams, models, natural preparations, manikins, and instruments.

Mathien's new elastic manikin, for demonstrating obstetrical operations, has recently been added to the illustrative apparatus.

In the Department of Gynecology the various instruments and appliances required in treating the Diseases of Women will be exhibited, and their uses fully explained. The Lectures on this subject—especially such as relate to Surgical Gynecology—will be rendered more complete by the assistance of Prof _____, who will add to the Course a Special Series of Lectures on Surgical Gynecology during the Spring Term.

CHEMISTRY AND TOXICOLOGY.

PROF. EDWARD T. FRISTOE, LL. D.

The instruction of this department embraces—

1st. A short discussion of the various branches of Physics, as Specific Gravity, Pneumatics, Heat, Light, Electricity, etc., so far as they relate to the science of Chemistry.

2d. The principles of chemical philosophy, the laws of chemical combinations, and of chemical affinity in general.

3d. A discussion of elementary bodies, both metallic and non-metallic, the best methods of preparing the various inorganic bodies, the properties and reactions, and the means of detecting their presence.

4th. The so-called "organic bodies" are considered so far as time will permit, especially those most useful to the physician, such as organic acids and their salts, the alkaloids, etc.

Throughout the entire course the application of Chemistry to Medicine and Pharmacy will be constantly brought before the student.

Special attention is given to Toxicology. Every poison is studied, so far as the tests for its presence and appropriate antidotes are concerned.

The principles of the science are illustrated by experiment.

PHYSIOLOGY.

PROF. WILLIAM LEE, M. D.

This course of Lectures consists of a full, clear, and practical exposition of Physiology, aided as far as possible by chemical experiments, vivisections, diagrams, and use of the microscope. The more fully to impress upon the memory of the student the important principles embraced in this part of his curriculum, reviews are held from time to time in form of class examinations. The course will be confined strictly to Physiology, with a view to cover fully the whole ground occupied by this branch.

ANATOMY, DESCRIPTIVE AND SURGICAL.

PROF. D. KERFOOT SHUTE, A. B., M. D.

Visiting Physician to the Columbia Institution for the Deaf and Dumb, Kendall Green.

This Course of Lectures is arranged with the view of rendering the didactic instruction in Anatomy as full and complete as the limits of the session will allow.

Sufficient knowledge of the anatomical structure of the human body to qualify one for the practice of medicine may be acquired during the two courses of lectures from this Chair, which each student attends, if, at the same time, he does his duty in the dissecting-room.

The Lectures will be illustrated by frequent reference to recent dissections and numerous drawings and diagrams. The sciopiecon will also be employed constantly to present photographic views of many regions of the body.

Special attention will be given during the Course to the Surgical and Medical Relations of Human Anatomy, which are of so great importance in the practice of the Medical Profession.

MATERIA MEDICA AND THERAPEUTICS.

PROF. D. WEBSTER PRENTISS, M. D.

In the course of instruction pertaining to this Chair especial prominence is given to the physiological action of medicines and their therapeutic uses.

The art of prescribing has its logical place assigned in the consideration of individual drugs particularly with reference to appropriate combination. The use of the metric system in its application to Medicine is taught by this Chair.

The value of a knowledge of Pharmacy and of the Natural History and Chemical relations of the Materia Medica is not overlooked.

TEXT-BOOKS AND WORKS OF REFERENCE.

ANATOMY.—Quain's Anatomy (last edition); Gray's Anatomy; Hodge's or Holden's Dissector.

SURGERY.—Gross's System of Surgery; Erichsen & Druitt.

MATERIA MEDICA.—National Dispensatory, Wood's Therapeutics, Fothergill's Handbook of Treatment.

CHEMISTRY.—Barker's or Attfield's Chemistry; Bloxam's Fowne's, Bowman's Medical Chemistry; Withaus' Essentials of Chemistry, and Wheeler's Medical Chemistry; Remsen's Inorganic Chemistry.

OBSTETRICS.—Leishman's, Lusk's, or Playfair's Obstetrics, King's Manual; Thomas, Barnes, or Byford on Diseases of Women, J. Lewis Smith or W. H. Day, or Meigs and Pepper on Diseases of Children, and Skene on Diseases of the Female Bladder and Urethra.

PHYSIOLOGY.—Dalton's; Flint's Physiology, Foster and Langley's Practical Physiology; Rutherford's Practical Histology.

PRACTICE OF MEDICINE.—Robert's, Bartholow's, Flint's, or Niemeyer's Practice.

PATHOLOGICAL ANATOMY AND HISTOLOGY.—Green; Wilks and Moxon; Frey's or Striker's Histology; Rindfleisch's Pathological Histology; Cornil and Ranvier.

REQUIREMENTS FOR MATRICULATION AND GRADUATION

I. Matriculants will be required to show that they are fitted, by previous education, for the study of medicine, and for this purpose they must either submit themselves to an examination or in lieu thereof present a satisfactory certificate of their attainments from some College, Seminary, or High School.

II. Candidates for the degree of Doctor of Medicine must have attended three courses of lectures, the subjects to be arranged as follows:

FIRST COURSE: Anatomy, Physiology, Chemistry, and Materia Medica, Practical Anatomy and Histology.

SECOND COURSE: Anatomy, Physiology, Chemistry, and Materia Medica.

Practice of Medicine, Surgery, and Obstetrics. Histology, Practical Anatomy, Clinics.

Attendance upon the whole seven branches during the second course is obligatory, in order that the student may have the privilege of presenting himself for examination on the final branches at the end of the third course.

Examination at the end of the second course in Anatomy, Physiology, Chemistry, and Materia Medica.

THIRD COURSE.—Practice of Medicine, Surgery, Obstetrics, and Pathological Histology. Clinical Medicine and Surgery. Final examination at the end of this course.

Students who elect to take a four years' course shall not be required to attend the lectures upon the three final branches during the second year.

III. Students of other Institutions who have attended one course of lectures in a regular Medical School will be placed upon the same footing with those who have attended one course in this College; and those who have attended two courses of lectures in some other regular College, or Colleges, will rank with those who have attended two courses in this Institution, and the same privilege as regards examination will be extended to them; that is to say, they will be admitted as third-course students after passing a satisfactory examination on the four primary branches of Anatomy, Physiology, Chemistry, and Materia Medica.

IV. Candidates for graduation must have studied medicine three years, or the term of three years' study must be completed at a date not exceeding three months after the period of the final examination. They must be of good moral character and at least twenty-one years of age.

Satisfactory evidence that the above conditions have been complied with must be furnished by a written certificate from some regular physician in good standing.

V. The candidate shall have practised dissection at least two sessions, during each of which he shall be *required* to dissect two "parts" of a subject, and it is *recommended* that he dissect three parts. He must have attended also two courses of clinical instruction.

VI. One month before the close of the session he shall enter his name with the Dean of the Faculty as a candidate for graduation, and at the end of the term present himself for examination. The examination will be both written and oral. The examination for the

Degree will be held at the end of the session in March. An examination will be held in October for those students only who have attended three courses of lectures, but whose term of three years' study had not been complete at the preceding March examination. Students who fail to pass the examination in March may be re-examined in October, if, in the judgment of the Faculty, they have shown sufficient proficiency to render such a course advisable. The diploma is granted only at the annual commencement in March.

VII. Graduates of other accredited Medical Colleges must pass a satisfactory examination on all of the seven essential branches of medicine before receiving a diploma from this School.

FEES, REGULATIONS, &c.

The entire expense for a Full Course of Lectures by the Professors is

Single ticket.....	\$100 00
Practical Anatomy, by the Demonstrator.....	15 00
Matriculating Fee, payable only once.....	10 00
Examination Fee (not returnable, Primary Branches).....	5 00
Examination Fee (not returnable, Final Branches).....	20 00
Examination Fee (not returnable, Final Branches).....	10 00

No fee for Graduating Expenses.

No charge will be made to matriculants for the courses of Practical instruction in the Laboratory in Chemistry, Physiology, and Histology, or for Clinical Lectures.

Payment of the fees is required in all cases, and tickets must be taken out at the commencement of the session, *unless special arrangement be made with the Dean to suit the convenience of the student.*

By virtue of a liberal endowment from Mr. W. W. CORCORAN, this College is enabled to offer six free scholarships, which are under the supervision of The Columbian University. All applicants for the privileges of this endowment must produce a certificate from the President of the University that they have been fitted by previous education for the study of medicine, and must submit themselves to the class examinations and graded course of study. This is the only mode by which any deduction can be made from the regular fees, except that graduates of other accredited Medical Col-

leges, after five years, are required to matriculate only. Prior to the expiration of five years the fee for a general ticket is \$50.

The degrees are conferred by the authority of The Columbian University, incorporated by act of Congress of the United States of America.

The prices of board and all other personal expenses are as reasonable in Washington as in other large cities of the Union.

Students requiring further information are requested to communicate with the Dean of the Faculty.

A. F. A. KING, M. D.,

726 Thirteenth Street, Washington, D. C.

MEDICAL LECTURES IN THE SPRING SESSION OF 1890.

FACULTY.

PROF. FRANCIS B. LORING, M. D.,
Diseases of the Eye and Ear.

PROF. W. W. GODDING, M. D.,*
Mental Diseases.

PROF. H. C. YARROW, M. D.,
Diseases of the Skin.

PROF. _____
Medical Jurisprudence.

PROF. GEORGE BYRD HARRISON, M. D.,
Diseases of Children.

PROF. _____
Gynecology.

PROF. J. H. BRYAN, M. D.,
Laryngoscopy and Diseases of the Throat.

PROF. THEOBALD SMITH, M. D.,
Bacteriology.

PROF. D. KERFOOT SHUTE, A. M., M. D.,
Visceral Anatomy.

PROF. THOMAS E. MCARDLE, A. M., M. D.,
Minor Surgery.

The Lectures of this Course are given during April and May, and do not conflict with the attendance on the clinical instruction given at the various Hospitals and Dispensaries of the City.

*Superintendent of the Government Hospital for the Insane.

THE DENTAL SCHOOL.

With this announcement the Dental Department of The Columbian University enters upon the fourth year of its existence as a school devoted to instruction in the Theory and Practice of Dental Surgery.

The Sessions of this Department extend through the months of October, November, December, January, and February in each year. The Lectures commence on the first Monday in October.

The fundamental branches of Anatomy, Physiology, Chemistry, and Materia Medica will here be taught as in the Medical School, and will be pursued with the aid of practice in the Dissecting-Room and in the Chemical Laboratory. Demonstrators of Anatomy and Chemistry will co-operate in the work of instruction with the special Demonstrators of Operative and Prosthetic Dentistry.

In addition to the Chemical Laboratory of the University, and the Dissecting-Room contained in the Medical Building, the College edifice has been recently so enlarged as to provide for a fully-equipped Dental Laboratory and Operating-Room, furnished with operating chairs, and all other necessary appliances to enable the student to acquire a knowledge of office practice as well as of clinical experience in its various forms.

The Infirmary is open every week-day for nine continuous months (being closed during the months of July, August, and September), during which time an abundance of Clinical material is readily available: in fact, fully as many patients present themselves as can possibly be attended to by the students.

The student has, therefore, the privilege of *twenty-seven months' actual practice* in the Infirmary, during which time he may become proficient in all those operations which the dental surgeon is ordinarily called upon to perform in office practice.

REQUIREMENTS FOR ADMISSION.

Applicants for matriculation must be conversant with the English language and give satisfactory evidence of

having received a good elementary education, as specified for matriculants in the Medical Department. (See page 38.)

FEES.

Matriculation (payable once only).....	\$5.00
Full Course of Lectures on all Branches.....	90.00
Demonstrator of Anatomy.....	10.00
Single Tickets.....	15.00
Examination Fee (not returnable, but payable once only), Primary Branches.....	20.00
Examination Fee (not returnable, but payable once only), Final Branches.....	10.00

No Fee for Graduating Expenses.

Students who have attended one full course of lectures in some other regular institution will be required to matriculate and take two full courses of lectures in this College before becoming eligible for examination.

Graduates of other recognized Dental Colleges will be admitted, on paying the matriculation fee and *fifty* dollars.

REQUIREMENTS FOR GRADUATION.

The candidate for graduation must have attended three full courses of instruction before he can present himself for final examination. He must appear before the Faculty and be examined on the several branches taught in this Department, and shall produce evidence of attendance on Clinical, Operative, and Prosthetic Dentistry, and shall prepare and present a practical specimen of his own handiwork in the latter department, before his final examination, to be deposited in the College Museum.

The final examination will be both written and oral, as in the Department of Medicine. No thesis is required.

The examination fee must be paid before the candidate can be admitted.

SYNOPSIS OF THE SEVERAL LECTURE COURSES.

For Synopsis of Lectures on the fundamental branches of Anatomy, Physiology, Chemistry, and Materia Medica see pages 35 and 36 of this Catalogue.

The Specific Courses are so arranged that eighteen lectures will be delivered each week on the various branches taught in this Department.

OPERATIVE DENTISTRY, DENTAL ANATOMY, AND PATHOLOGY.

PROF. HENRY C. THOMPSON.

This Course embraces Lectures on the Special Anatomy and Physiology of the Teeth. The origin, growth, and eruption of the teeth receive minute attention, and will be illustrated as their importance demands.

The methods of treating, filling, extracting, and regulating teeth will not only receive attention in the lecture-room, but be demonstrated clinically by proficient operators.

PROSTHETIC DENTISTRY AND METALLURGY.

PROF. J. HALL LEWIS.

In this Department the principles involved in the construction of artificial substitutes will be exhaustively considered, and the lectures supplemented by practical demonstrations of the subjects mentioned.

In addition to the more commonly used vegetable basis for artificial teeth, the use of Gold, Silver, Platinum, and Fusible Alloys will be taught, and Bridge-work, the Artistic Carving of Gum Sections, the construction of appliances for correcting Oral Irregularities, Interdental Splints for Fracture, and Artificial Vella will be carefully considered.

The modes of preparation, properties, etc., of the Metals and Alloys of particular interest to the Dentist will receive special attention.

DEMONSTRATOR'S WORK

Eight hours daily are spent by the student in practice under the direction of the Demonstrators, who will be in attendance throughout the day, to give instruction in both Operative and Prosthetic Dentistry.

The Operating Department is furnished with operating-chairs, to one of which each student is assigned, and special hours are allotted for practical office experience.

In the Prosthetic Department the student is required to go through all the necessary manipulations connected with the insertion of artificial dentures and regulating plates, crown, and bridge-work—from the act of taking the impression of the mouth to the work of construction and of insertion into the mouth.

Each student will furnish his own instruments, except such as are used for extracting; these are provided by the Institution.

THE COLUMBIAN COLLEGE.

The College is open to students of both sexes.

The regular course of instruction is comprised in seven schools, as follows :

I. SCHOOL OF ENGLISH : including English Philology, English Literature, Rhetoric, Logic, Elocution, General History, and Anglo-Saxon.

II. SCHOOL OF GREEK : including the Greek Language and Literature, and the History of Greece.

III. SCHOOL OF LATIN : including the Latin Language and Literature, and the History of Rome.

IV. SCHOOL OF MODERN LANGUAGES : including the French and German Languages and Literatures, with the History of France and Germany.

V. SCHOOL OF MATHEMATICS : including Pure Mathematics, Mechanics, and Astronomy.

VI. SCHOOL OF NATURAL SCIENCE : including Physics, Chemistry, and Natural History.

VII. SCHOOL OF PHILOSOPHY : including Mental and Moral Philosophy, Political Philosophy, and the Philosophy of History.

SCHOOL OF ENGLISH.

PROFESSOR SHUTE.

Freshman Class.—Instruction is given in the fundamental principles of style and invention, mainly in their rhetorical, and incidentally in their logical aspects. Instruction is given in elocution and composition ; also in the general outlines of English and American History.

Text-books : Genung's Rhetoric; Thompson's History of England. Elliot's History of the United States.

Sophomore Class.—Instruction is given in the principles of pure and applied logic, and application of these principles is required in analyzing and reconstructing ordinary forms of argumentation in select authors. Instruction is also given as to the origin, development, and present powers of the language; also in the biography, times, and works of the best English writers.

Text-books : Jevon's Logic; Hudson's Shakespeare; Shaw's English Literature; Sweet's Anglo-Saxon Primer and Beowulf.

Junior Class.—Fowler's Inductive Logic; Hunt's Prose and Prose Writers; Guizot's History of Civilization.

Senior Class.—Advanced Studies in Anglo-Saxon Literature (optional); Elocution and Essays throughout the Course.

SCHOOL OF GREEK.

PROFESSOR HUNTINGTON.

In this School instruction is given in the Greek Language and Literature, and in Greek History. The School embraces four classes: Freshman, Sophomore, Junior, and Senior, with the following text-books:

1. In the Freshman Class: Homer's *Iliad* or *Odyssey*; Herodotus; Thucydides; Goodwin's and Hadley's Greek Grammar; Boise's Exercises in Greek Syntax; and Smith's History of Greece.

2. In the Sophomore Class: Xenophon's *Memorabilia*; Lucian; Isocrates or Thucydides; Goodwin's and Hadley's Greek Grammar; Exercises in Greek Composition.

3. In the Junior Class: Sophocles, Euripides, Demosthenes, and Lysias; or Plutarch.

4. In the Senior Class: Plato.

Lectures are given to the higher classes on Greek Literature.

Frequent exercises are assigned to the classes in rendering into Greek English translations from Greek authors.

Liddell and Scott's Greek Lexicon; Kuhner's Greek Grammar; Goodwin's Greek Moods and Tenses; Findlay's, or Long's, or Ginn and Heath's Classical Atlas; and Smith's Greek and Roman Antiquities are recommended to students in all classes.

SCHOOL OF LATIN.

PROFESSOR MONTAGUE.

In this School instruction is given in the Latin Language and Literature, and in Roman History. The School embraces four classes: the Freshman, Sophomore, Junior, and Senior, with the following text-books:

1. In the Freshman Class: Ovid; Livy; the Odes of Horace; Sight Reading; Original and Selected Exercises; and the History of Rome.

2. In the Sophomore Class: The Satires and Epistles of Horace; Cicero De Senectute et De Amicitia; the Germania of Tacitus; Suetonius; Sight Reading; Original and Selected Exercises.

3. In the Junior Class: Tacitus; Seneca; Juvenal; Cicero De Republica; Quintus Curtius; Original Exercises; Lectures on Latin Syntax and Critical Study of Roman History.

4. In the Senior Class: Quintilian, and Original Exercises.

Lectures are given to the higher classes on Roman Literature.

Grammars: Harkness's (text-book), Zumpt's, Allen and Greenough's, Madvig's.

Lexicons: Harper's or Leverett's, and White's (English-Latin).

Classical Atlas: Ginn & Co.'s, or Long's.

For the Sophomore and Junior Classes courses of private reading are prescribed.

SCHOOL OF GERMAN.

PROFESSOR GORE.

Instruction in this department has, as its primary object, a thorough knowledge of the Grammar, and familiarity with the literature; with such practice in conversation as shall serve as a stimulus in the furtherance of this object.

German Grammar is studied during the first three years of the course, with its principles illustrated from the class readings and written exercises.

Text-books: Sheldon's and Joynes-Meissner's German Grammars.

The Freshman Class will read *Bilderbuch Ohne Bilder*, Anderson, and short selected pieces.

The Sophomore Class will read *Das Kalte Herz*, Hauff; *Der Neffe als Onkel*, Dickens and selected stories.

The Junior Class will read works from Lessing, Auerbach, Schiller, Goethe, and Heyse.

Senior Class. Elective seminary studies; Reading at sight; Lectures in German.

THE SCHOOL OF FRENCH.

PROFESSOR LODGE

The Freshman Class is drilled in French pronunciation, Grammar, progressive exercises in composition and in conversation.

Works read: *Historiettes Modernes*; *Histoire d'un Conserit*; Keetels's Course is used.

Sophomore Class: French syntax critically studied; Dictation Exercises, Short Original Essays; French Conversation

Works read: *Petite Histoire du Peuple Français*, Lacombe; *Le Cid*; *Athalie*; *L'Avare*; Parallel readings in *Corinne*; *Sauveur's Grammaire Française*.

Junior Class. French Idioms studied; Lectures on the development of the tongue, and the formative period of French literature; Comparative philology.

Works read: *Le Bourgeois Gentilhomme*; Horace; Cinna; *La Poudre aux Yeux*; *La Bataille de Dames*; Parallel readings in *Pylodet's Littérature Française Contemporaine*.

Senior Class: Original Essays and Orations; *Pylodet's Littérature Française Classique*; *Ruy Blas*; *Hernani*; *Lamartine*; *Crane's Romantisme Français*.

SCHOOL OF MATHEMATICS.

PROFESSORS GORE AND HODGKINS.

In this School are taught Pure Mathematics, Mechanics, Astronomy, Calculus of Probabilities, and Least Squares.

There are four classes.

1. The Freshman, in which are taught Algebra and Solid Geometry.

Text-books: Bowser's and Wentworth's Algebras. Newcomb's Geometry.

2. The Sophomore, in which are taught Plane and Spherical Trigonometry, Analytic Geometry, and Theory of Equations.

Text-books: Wells's Trigonometry, Wentworth's Analytic Geometry, and Todhunter's Theory of Equations.

3. The Junior, in which are taught Differential and Integral Calculus, Astronomy.

Text-books: Taylor's Calculus; Young's General Astronomy.

4. The Senior, in which are taught Mechanics and Least Squares.

Text-books: Smith's Mechanics and Merriman's Method of Least Squares.

SCHOOL OF NATURAL SCIENCE.

PROFESSOR FRISTOL.

This School is divided into four classes.

1. Freshman, in which the elements of Physiology, Natural History, and Geology are taught.

Text-books: Huxley's and Youman's Physiology, Orton's Zoölogy, and Dana's Geology.

2. The Sophomore, in which are taught the elements of Physics, such as Heat, Light, and Electricity, and Inorganic and Organic Chemistry, embracing the principles of Chemical Philosophy, preparation and properties of elemental and compound molecules, and the detection of poisons and the proper antidotes.

Text-books: Avery's Natural Philosophy and Barker's and Remsen's Chemistries.

3. The Junior, in which are taught the various branches of Physics, as Statics, Hydrostatics, Dynamics, Hydrodynamics, Pneumatics, Sound, Heat, Light, and Electricity, with the application of Mathematics, as far as time will permit.

Text-book: Ganot's Complete Physics.

4. The Senior, embracing Laboratory work and Qualitative and Quantitative Analyses.

SCHOOL OF PHILOSOPHY.

THE PRESIDENT.

The special studies of this School are pursued in two classes, the Junior and the Senior. In the Junior Class the attention of students is directed to the study of Mental Philosophy. The text-book used on Mental Philosophy is Sully's Outlines of Psychology, accompanied with lectures on the history of speculative philosophy and of its leading schools in ancient times, during the Middle Ages, and since the Revival of Learning.

In the Senior Class the study of Mental Philosophy, of Moral Philoso-

phy, and of Natural Theology is pursued under the direction of the President, who also during the current year will serve as acting Professor of Political Philosophy; the latter embracing Political Economy, Constitutional Law of the United States, and the elements of International Law. The text-book used in Moral Philosophy is Calderwood's Handbook of Moral Philosophy, accompanied with lectures on the history of theoretical ethics, from the days of the Grecian philosophers down to the present time. In this historical review special attention is called to the phases of English speculation under the head of Moral Philosophy, with a critical reference to the main points of controversy from age to age among the exponents of different schools. The text-book used in the study of Natural Theology is Butler's Analogy of Religion and Nature, accompanied with lectures on the more modern aspect of the questions discussed under this head.

In the study of Political Economy the text-book used is that of Dr. Wayland as recast by Chapin, with reference to the treatises of Adam Smith, Malthus, Bastiat, Carey, Mill, Roscher, and others, with a course of lectures on the history of Political Economy. Cooley's Principles of Constitutional Law, and Gallaudet's Manual of International Law, are used as text-books in the study of Political Philosophy.

A course of lectures is also delivered by the President to the Senior Class in this School on History, its sources, methods of study, elements of criticism, &c., beginning with anthropological studies in primitive society and conducting to the successive evolutions of human history, as seen in the progressive expansion of civilization and culture. At the close of the course is a brief discussion of the Philosophy of History with special critical reference to the systematic ideas of Vico, F. Schlegel, Herder, Fichte, Schelling, Hegel, Bunsen, Guizot, Balmes, Buckle, Draper, and others.

CONSPECTUS OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS.

FRESHMAN STUDIES (FIRST YEAR).

FIRST TERM.

English.—Rhetoric (Genung's); English History (Thompson's); Elocution; Essays.
Greek.—Homer's *Iliad* or *Odyssey*; Boise's Exercises in Greek Syntax; Goodwin's and Hadley's Greek Grammar; Smith's History of Greece.
Latin.—Ovid's *Metamorphoses* (Chase and Stuart's); Livy (Chase and Stuart's); Original and Selected Exercises; Sight Reading; Harkness's Latin Grammar.
French.—Kerckel's Collegiate Course; Beckmann-Chatelain; Fontaine.
German.—Sheldon's Short German Grammar; Studien und Plaudereien; Das Kalle Herz.
Mathematics.—Synthetic Geometry (Newcomb's); Weekly Original Exercises; Algebra (Wentworth's).
Physics.—(Avery's); and Lectures.

SECOND TERM.

English.—Genung's Rhetoric; Eliot's History of the United States; Elocution; Essays.
Greek.—Herodotus and Thucydides; Goodwin's and Hadley's Grammar, and Boise's Exercises continued.
Latin.—Livy (continued); the Odes of Horace (Chase and Stuart's); Sight Reading; Original and Selected Exercises; and Harkness's Grammar; History of Rome. For reference: Ginn and Company's Classical Atlas.
Modern Languages.—Studies of the First Term continued.
Mathematics.—Algebra (Wentworth's); Original Problems.
Physics.—(Avery's); and Lectures.

SOPHOMORE STUDIES (SECOND YEAR).

FIRST TERM.

English.—Dr. Smith's Shaw's English Literature; Anglo-Saxon; Hudson's Shakespeare; Elocution; Essays.
Greek.—Xenophon's *Memorabilia* (Winan's edition); Lucian; Exercises in Greek Composition continued.
Latin.—The Satires and Epistles of Horace (Chase and Stuart's); Cicero De Senectute and De Amicitia (Chase and Stuart's); Sight Reading; Exercises in Latin Composition continued; and Harkness's Grammar.
French.—Grammaire Française (Sauveur); Lacombe; Molière; Racine; Corneille; De Staël.
German.—Select readings from modern stories and classic German plays.
Mathematics.—Trigonometry (Well's); Original Exercises.
Chemistry.—Lectures and Laboratory (Shepard's).

SECOND TERM.

English.—Jevon's Elements of Logic; Anglo-Saxon; Elocution; Essays.
Greek.—Isocrates or Thucydides; Exercises in Greek Composition continued.
Latin.—Suetonius; the Germania of Tacitus (Chase and Stuart's); Sight Reading; Exercises in Latin Composition continued; and Harkness's Grammar.
Modern Languages.—Studies of the First Term continued.
Mathematics.—Analytical Geometry (Wentworth's).
Chemistry.—Lectures and Laboratory (Shepard's).

JUNIOR STUDIES (THIRD YEAR).

FIRST TERM.

English.—Fowler's Inductive Logic; Hunt's English Prose and Prose Writers; Elocution; Essays.
Greek.—Sophocles and Euripides; Lectures on History of Greek Literature, Exercises in Greek Composition.
Latin.—Tacitus; Seneca (Hurst and Whiting's); Sight Reading; Lectures on the History of Latin Literature; Original Exercises.
French.—Molière; Corneille; Labiche et Martin; Scribe et Legouvé; Pylodet's Littérature Contemporaine.
German.—Lessing; Auerbach; Schiller; Goethe; Heyse.
Mathematics.—Differential and Integral Calculus (Taylor's); Original Exercises. Astronomy (Young's).
Natural Science.—Physiology and Zoology.
Philosophy.—Psychology (Sully's).

SECOND TERM

English.—Guizot's History of Civilization; Studies in Contemporaneous Literature; Elocution; Essays.
Greek.—Demosthenes, Lysias, or Plutarch; Lectures and Exercises continued.
Latin.—Juvenal; Cicero de Republica; Quintus Curtius; Lectures on Latin Syntax; Original Exercises continued; and a Critical Study of the History of Rome.
Modern Languages.—Studies of First Term continued.
Mathematics.—Calculus of Probabilities and Least Squares (Lectures); Astronomy (Young's).
Natural Science.—Geology.
Philosophy.—Psychology (Sully's); Lectures on History of Mental Philosophy.

SENIOR STUDIES (FOURTH YEAR).

FIRST TERM

English.—Essays and Original Orations; Advanced Anglo-Saxon.
Greek.—Plato and Exercises in Composition.
Latin.—Quintilian.
French.—Pylodet's Littérature Classique; Victor Hugo; Crane, &c.; Original Essays.
German.—Elective Readings; Seminary Studies; Lectures on German.
Mathematics.—Mechanics (Smith).
Philosophy.—Psychology (Sully's); Political Philosophy (Cooley); History; Lectures on Sources, Methods of Study, Principles of Criticism, and Primitive Culture.

SECOND TERM

English.—Essays and Original Orations; Advanced Anglo-Saxon.
Greek.—Plato.
Latin.—Quintilian, and Original Exercises.
Modern Languages.—Studies of First Term continued.
Mathematics.—Astronomy (Newcomb's).
Philosophy.—Natural Theology (Butler); Moral Philosophy (Calderwood's); Lectures on History of Moral Philosophy.
 Political Philosophy; Wayland's Political Economy and Gallaudet's International Law.
 History; Lectures on the Successive Evolutions of Civilization, and on the Philosophy of History.

ELECTIVE STUDIES.

Natural Science.—Qualitative and Quantitative Analysis.

TIME AND TERMS OF ADMISSION.

The regular examinations for admission to the College are held on the Friday and Saturday immediately preceding the opening of the session. Every applicant is required to deliver to the President testimonials of good moral character, and, if coming from another college, must present a certificate of honorable dismissal.

Candidates for admission to any class of the College must, unless they are graduates of the Preparatory School, sustain an examination in the following elementary studies: Spelling, English Grammar, Geography, Elements of History, and Arithmetic.

Candidates for admission to any School will be examined in all the studies presupposed by the curriculum of that School.

Candidates for admission to the School of English will be admitted to its lowest class on passing a satisfactory examination on the preliminary studies above indicated.

Candidates for admission to the School of Greek in its lowest class, the Freshman, will be examined in Goodwin's or Hadley's Greek Grammar; Goodwin's Greek Reader, or Xenophon's Anabasis (first four books); first three books of Homer's Iliad; Jones' Greek Prose Composition; and Schmitz's History of Greece.

Candidates for admission to the Freshman class of the School of Latin will be examined in Harkness's Latin Grammar; four books of Caesar's Commentaries; six of Cicero's Select Orations; six books of the Æneid of Virgil; Sallust's Conspiracy of Catiline in part; Latin Composition; and Schmitz's History of Rome.

Candidates for admission to the School of French will be examined in part first of Keetels's Collegiate Course and in the first hundred pages of Super's French Reader.

Candidates for admission to the School of Mathematics in its lowest class, the Freshman, will be examined in Algebra (through Quadratic Equations) and in the first four books of Geometry.

Real equivalents in quality and amount will be received in place of the books or parts of the books pre-

scribed as above for study preparatory to admission into the Schools of Greek, Latin, and Mathematics.

Candidates for admission to any advanced class in any School will be examined in all the previous studies of the class which they propose to enter.

Students wishing to pursue a select course in any School or Schools will be admitted to the classes for which they may be found qualified; but an examination in preliminary and indispensable studies will be held in all cases, and every student pursuing such a course is required to embrace in his selections not less than twelve recitations or lectures per week. The choice of studies embraced in a Select Course must be made immediately upon the commencement of a term, and no student will have leave to make a new choice of studies during any single term.

CERTIFICATES AND DIPLOMAS.

The degrees of the College are conferred only on evidence of satisfactory attainments in the studies prescribed for any given degree. The eligibility of candidates for any degree is determined by the quality and the extent of their studies in the several Schools of the College.

I. Certificates of Proficiency are given to students who pass a satisfactory examination on the following studies of the several Schools: In the *First*, on English Literature, History, and Rhetoric; in the *Second*, on the Greek of the Freshman and Sophomore Classes; in the *Third*, on the Latin of the Freshman and Sophomore Classes; in the *Fourth*, on the French or the German Language; in the *Fifth*, on the Mathematics of the Freshman and Sophomore Classes; in the *Sixth*, on the Chemistry of the Junior Class; in the *Seventh*, on Mental or Moral Philosophy.

II. Students who pass a satisfactory examination on all the obligatory studies embraced in any one of the Schools of the College will receive a diploma certifying the fact of their graduation in that School.

DEGREES.

I. The degree of Bachelor of Letters is conferred on students who obtain diplomas in the Schools of English,

Greek, Latin, Modern Languages, and Philosophy, and who receive a certificate of proficiency in the School of Mathematics or of Natural Science.

II. The degree of Bachelor of Science is conferred on students who obtain diplomas in the Schools of English, Modern Languages, Mathematics, Natural Science, and Philosophy.

III. The degree of Bachelor of Arts is conferred on students who obtain diplomas in any six Schools, and who receive a certificate of proficiency in the residuary School of the entire course.

IV. The degree of Master of Arts is conferred on any student who, after being graduated with the degree of Bachelor of Arts, shall submit an original and satisfactory thesis four weeks before the close of the following scholastic year, as the fruit of certain advanced studies, to be assigned by the Faculty, in any School, at the option of the candidate.

Certificates and diplomas in any School of the College are awarded only at the close of the College year in each School, and after an examination duly had according to the rules of the Institution.

EXAMINATIONS.

At the end of each term an examination of all the classes in all the Schools is publicly held in all the studies of that term.

The results of each Term Examination are combined with those of the daily recitations and attendance of the student during the term, in order to ascertain his academic standing at the end of that term.

Each recitation and each examination are graded on a scale of merit from 0 to 100, and a failure to reach the final average grade of 75 in any study is regarded as a failure in that study.

At the close of each College year all the classes in all the Schools are publicly examined in review of all the studies of that year.

The results of the Annual Examinations are combined with those of the Term Examinations, in order to ascertain the student's academic standing at the end of each year.

At the close of the second year of the regular course, prescribed for all the degrees of the College, the Annual Examinations of the Sophomore Classes in the several Schools, besides embracing all the studies of that year, will include such studies of the Freshman year as the head of each School may direct. The results of this examination will determine the eligibility of candidates to receive a certificate of Proficiency at the end of this year in the School of Greek, Latin, or Mathematics, as the condition of attaining in regular course to one or other of the degrees dependent on such proficiency.

A student who fails to pass a satisfactory examination in any study at the end of the College year may present himself for re-examination in that study at the end of the following year, and in default of doing so, shall forfeit promotion with his class in that department.

All examinations which occur at the end of a College year are conducted in writing. Examinations for the degrees of Bachelor of Arts and Master of Arts are concluded four weeks anterior to the date of the Annual Commencement, that time may be given to Professors for the inspection of written examination papers, and to students for the preparation of parts to be performed on Commencement Day by the successful candidates for the degrees of Bachelor and Master of Arts, to whom public parts on that day may be assigned by the Faculty.

ANNUAL PRIZES.

Besides the honors and degrees conferred in the regular course, prizes are annually offered as the reward of special excellence in particular branches of study.

The Davis Prizes, for excellence in Elocution, founded by the Hon. Isaac Davis, LL. D., of Massachusetts, consist of two gold medals, and are annually awarded to the two successful competitors, in a public contest held on Commencement Day. These prizes are awarded by a committee whom the Faculty selects for this purpose, and are publicly delivered at the close of the contest.

The Staughton Prize, for excellence in the Latin Language and Literature, and the Elton Prize, for excellence in the Greek Language and Literature, founded by the Rev. Romeo Elton, D. D., of Exeter, England, consists of two gold medals, annually awarded to the best scholar and writer in each of these languages.

The Ruggles Prizes, for excellence in Mathematics, founded by Prof. William Ruggles, LL.D., consist of two gold medals, annually awarded to the best two scholars in the pure and applied Mathematics.

Any student entitled to a diploma in any school will be allowed to contend for the prize given in that department, provided he shall have pursued the required number of studies during the year, and shall have passed satisfactory examinations in the same.

Prizemen for the year 1888-'89.—The Enosinian Prize for Excellence in Debate was awarded to E. HILTON JACKSON, of Virginia.

The Prize for Proficiency in Parliamentary Law, given by Prof. Gore, was awarded to WILLIAM H. WILSON, of West Virginia.

ORDERS OF THE COLLEGE YEAR.

TERMS AND VACATIONS.

The College year, embracing nine months, is divided into two terms: The first term begins on the fourth Monday in September, and continues to the first of February. The second term begins on the first of February, and ends on the day of the Annual Commencement, which is held on the second Wednesday in June.

A vacation of eight days is given at Christmas, beginning on that holiday, and lasting until the next day after New Year's.

The 22d of February is observed as a College holiday.

A recess is given from Good Friday to Easter Monday inclusive.

ANNUAL COMMENCEMENT.

The Annual Commencement of the College is held on the second Wednesday in June.

Public parts are assigned on Commencement Day to such students only as have passed a satisfactory examination for the degrees of Bachelor or Master of Arts, except as before indicated, in the case of those who may be contestants for the prize of Elocution.

A Latin Salutatory will be awarded to the graduate in each year whose average standing in all the Schools is the highest; and an English Salutatory to the student who stands second.

The Valedictory is awarded with special regard to the qualifications of the student as a Valedictorian, as well as on the ground of scholarship.

Philosophical, Classical, Scientific, Metaphysical, Ethical, Historical, or Literary Orations may be awarded to students who are eminent respectively in the corresponding Departments.

All the degrees of the College are publicly conferred on Commencement Day.

Diplomas in the several schools, and prizes for special excellence in any Department, are publicly delivered on the same day.

PUBLIC WORSHIP.

Prayers, accompanied by the reading of the Scriptures, are offered daily in the College Chapel. All students are expected to attend this service.

LIBRARY HOURS.

The College Library, to which large additions were made during the last year, is open every day from 9 o'clock A. M. to 1 o'clock P. M., and from 6 to 10 P. M., for purposes of study and inquiry, as also for the distribution of books. A reading-room provided with the leading reviews, periodicals, newspapers, etc., is maintained in connection with the Library for the use of students.

The Libraries of Congress and of the various Departments of the Federal Government are accessible to students for purposes of research in any special line of studies.

LITERARY SOCIETY.

The Enosinian Society, a literary association formed by the students of the College, meets weekly in its hall for the purpose of improvement in Debate and Composition.

LECTURES.

Courses of Lectures in Literature, Art, and Science (comprising Lectures in English, French, and German) are organized every year by the Faculty. These Lectures are open to all the classes, and to the public on application being made for a ticket of admission. Courses of Lectures on Science organized by the Scientific Societies of Washington, and delivered in the Lecture Hall of the United States National Museum, are also open to all students of the University.

GENERAL ORDERS.

Every student on entering the College is understood by that act to pledge a voluntary acquiescence in the rules and regulations prescribed by the Board of Trustees and Overseers, and by the Faculty acting under the authority of the Board.

Demerits are noted for unexcused absences from prayers or recitations, and when five unexplained absences are recorded against a student during any given month, the Faculty will inquire into the case.

A report of the student's standing in all his studies, including a record of all absences from lectures, recitations, or other public exercises of the College, will be rendered quarterly to parents or guardians.

The daily recitations of the College Classes are brought, as far as practicable, into the early portion of the day, closing generally at 1.30 o'clock P. M., and on Saturday at 11 o'clock A. M. The advantages of an attendance upon the debates of Congress, and upon lectures before various associations, are offered to students of the higher classes without detriment to proficiency in their studies.

COLLEGE EXPENSES.

1. Admission fee (paid but once, on entrance).....	\$10.00
2. Tuition for the year in three or more Schools.....	90.00
3. Tuition for the year in two Schools.....	70.00
4. Tuition for the year in one School.....	50.00

These charges cover all expenses, including public fuel, servants' wages, &c.

Bills are payable semi-annually, in advance.

The College provides no commons, but board may be procured in the city at such reasonable rates that the annual expenses of students need not exceed the sum of three hundred dollars.

SCHOLARSHIPS.

The Kendall Scholarship, founded by the late Hon. Amos Kendall, and running for six years, two in the Preparatory School and four in the College, is annually conferred on the best scholar in the public High School. Students on this foundation pay semi-annually in advance a fee of eight dollars for public fuel, servants' wages, &c.

THE CORCORAN SCIENTIFIC SCHOOL.

The School of Science established by the Trustees and Overseers of The Columbian University, as a part of their University system of education, is called by the name of W. W. CORCORAN, in grateful recollection of his many benefactions to the University.

The exercises of the School begin on the first of October, and are held in the new University Building (southeast corner of Fifteenth and H streets), which has been constructed with special reference to the wants of the department.

Provision is made in the Corcoran Scientific School for general and for special courses of study.

The General Courses embrace schemes of studies in Literature, Science, Technology, leading respectively to the degree of Bachelor of Science, of Civil Engineer, Mechanical Engineer, Mining Engineer, &c., according to the scope and quality of the studies prescribed for each degree.

Under the head of Special Courses of Study, whether considered with reference to single studies or to arts embracing with specific studies a certain component part of the General Course, provision is made for instruction in Practical Astronomy, Geodesy, Electrical Engineering, Architecture, Analytical Chemistry in all its branches, Metallurgy, Assaying, Drawing in all its branches, &c., &c.

Students enjoy absolute freedom in the selection of studies, which, if judiciously exercised, will enable them to complete the entire course leading to a degree in *four years*.

In pursuit of this plan, instruction is offered by the Corcoran Scientific School in the following branches:

ENGLISH.

PROF. SHUTE

Rhetoric (Genung's). English Language (Micklejohn's). Dissertations. Three hours per week.

Deductive Logic (Jevon's). Inductive Logic (Fowler). English Literature (Shaw's Complete Manual, edited by Dr. Smith). Dissertations. Three hours per week.

Modern History (Mackenzie). Two hours per week.

MATHEMATICS.

PROF. HODGKINS.

Algebra: Bowser's College Algebra. Three hours a week. Geometry Well's Plane and Solid Geometry. Two hours a week.

Trigonometry: Well's Plane and Spherical Trigonometry. Three hours a week during first term. Analytic Geometry: Wentworth's Analytic Geometry. Three hours a week during second term.

Calculus: Bower's Differential and Integral Calculus. Two hours a week.

Classes in Quaternions, Calculus of Variations, and other advanced subjects will be formed when a sufficient number of students apply.

FRENCH.

PROF. LODGE.

The class is drilled in French pronunciation, grammar, and composition. Exercises in conversation. After some easy French by way of introduction, *Histoire d'un Conscrit* is read. Two hours a week.

Critical study of syntax. Dictation. Conversation. *Le Cid*, *Histoire du Peuple Français*, *Esther*, and *Le Bourgeois Gentilhomme* are read. Two hours a week.

Study of idioms. Frequent recitations in French. Composition of French essays. Conversation. Lectures on the development of the French language and literature. Selections from De Staël, Hugo, Sand, Lamartine, Sandeau and Scribe. Two hours a week.

GERMAN.

PROF. MUELLER.

Ahn-Henn's First and Second German Books. Reading, writing, translation, and conversation. Two hours a week.

Ahn-Henn's Third German Book and First German Reader. Reading writing, translation, and conversation. Two hours a week.

Ahn-Henn's Fourth German Book and Second Reader and Compendium. Reading, writing, translation, and conversation. Two hours a week.

CHEMISTRY.

PROF. FRISTOE.

Theoretical Chemistry.—Inorganic and Organic. Three lectures per week throughout the session. Text-Books. Barker's and Remsen's *Chemistries*.

Laboratory Practice and Qualitative Analysis.—About twelve hours per week for eight months. Text-Books: Clowes' *Qualitative Analysis*.

Quantitative Analysis.—Embracing Gravimetric and Volumetric Methods, for acids and bases, analysis of gases, of commercial organic products, as butter, milk, flour, sugar, oleomargarine, &c., as well as assaying and processes for extracting metals from their ores. About fifteen hours per week for eight months. Text-book: Fresenius' Quantitative Analysis.

PHYSICS.

PROF. PRENTISS.

General Physics, including Mechanics, Pneumatics, Hydrostatics, Hydrodynamics, Sound, Heat, Light, Magnetism, Electricity and its applications; all illustrated by suitable experiments. Two hours a week for one year.

CIVIL ENGINEERING.

PROF. FAVA.

Descriptive Geometry (Warren); Construction of Buildings and Machines and Designing; Surveying and Field Practice. Five lectures and three hours' designing a week.

Mechanics; Graphic Statics, Earthworks, Roads and Railroads, Canals, Rivers, and Harbors; Designing. Four lectures and eight hours' designing a week.

Strength of Materials; Engineering Plant; Masonry, Bridges, and Tunnels; Iron Construction, Building Materials, and Metallurgy; Designing. Four lectures and ten hours' designing a week.

DRAWING

PROF. WANSLEBEN.

Mechanical Drawing, from samples and models. Two hours a week for one year.

Topographical Drawing and Projection. Two hours a week for one year.

Architectural Drawing. Two hours a week for one year.

MINERALOGY.

PROF. YEATES.

This course is divided into two classes.

1. A lecture course on Crystallography and general properties of minerals. Two hours per week for one year. Text-book, Dana.

2. A course in Blow-pipe Analysis for the determination of minerals. Four hours per week. Text Book, Brush.

Classes will be formed in Anthropology, Astronomy, Biology, Botany, Geodesy, Geology, and Meteorology when a sufficient number of students apply for instruction in those branches of Science.

CONSPECTUS OF STUDIES.

The following is the order in which it is recommended that the studies be taken by candidates for degrees, all of the studies of the first year be

ing obligatory, after which a student will be required to select *fifteen* lectures per week for each succeeding year:

FIRST YEAR.—Algebra, Geometry, Rhetoric, Dissertations, French, German, Chemistry (lectures).

SECOND YEAR.—Trigonometry, Analytic Geometry, Physics, Logic, English Literature, French, German, Mechanical Drawing, Mineralogy, Civil Engineering (Descriptive Geometry, Construction, Designing).

THIRD YEAR.—Calculus, Astronomy, History, French, German, Topographical Drawing, Architectural Drawing, Qualitative Analysis, Civil Engineering (Mechanics, Graphic Statics, Roads and Railroads, Canals, Rivers and Harbors, Designing).

FOURTH YEAR.—Quantitative Analysis, Volumetric Analysis, Assaying, Metallurgy, Blowpipe Analysis, Mental Philosophy, Moral Philosophy, Anthropology, Geology, Civil Engineering (Strength of Materials, Engineering Plant, Masonry, Bridges and Tunnels, Iron Construction, Building Material, Specifications and Designing).

CERTIFICATES, DIPLOMAS, AND DEGREES.

To the foregoing subjects a definite value or weight is assigned, the unit being, in general, one recitation a week for a year, with a satisfactory examination sustained at the close.

A student completing certain related branches of one department, and passing a satisfactory examination, will receive a Certificate of proficiency.

A student completing all the studies prescribed for any department of which the course extends over two or more years will receive a Diploma.

The degree of Bachelor of Science is conferred upon a student who successfully completes such courses as entitle him to a credit of sixty units.

The degree of Civil Engineer is conferred upon a student who successfully completes all the studies in the department of Civil Engineering together with such other subjects as shall give him a total credit of sixty units.

GRADUATE STUDIES.

If a sufficient number of students shall apply for instruction in advanced Studies, leading to the degree of Master of Science or Doctor of Science, arrangements will be made for them, as well as for graduate practice and original research in the laboratories.

REQUIREMENTS FOR ADMISSION.

Candidates for the degree of Bachelor of Science,

Civil Engineer, or other full degree of the schools must have a good knowledge of Arithmetic in all its branches, of Geography as taught in the best schools, English Grammar, Orthography and Composition, Elements of Algebra and Geometry.

In the case of students aiming to secure special proficiency in some single branch of Technology the requirements for admission will be less comprehensive, but no student will be admitted to any class without a competent knowledge of the English studies above mentioned.

No student will be admitted to any class until after matriculation—that is, until after first reporting his name to the President or the Dean of the Faculty, and receiving the Certificate of the Financial Agent that the required tuition fees have been paid.

ANNUAL TUITION FEES.

(Not including Laboratory Courses.)

For single courses of study in English Language and Literature	\$30.00
Mathematics	30.00
Mental and Moral Science	30.00
General Chemistry	30.00
General Physics	30.00
Mechanical Drawing	30.00
Topographical Drawing	30.00
French	20.00
German	20.00
The total payment required, if several courses are selected, will not be more than	90.00

The studies in the Chemical Laboratory will embrace three courses:

I.—Qualitative Analysis, embracing a well-arranged course of Chemical Manipulations, and a systematic course of analysis, extending through one year	\$100.00
For Chemicals used	25.00
Deposit (returnable) for apparatus injured	25.00
II.—Quantitative Analysis, embracing Volumetric Analysis and other special methods, extending through one year	100.00
For Chemicals used	25.00
Deposit (returnable) for apparatus injured	25.00
III.—Assaying of Ores and Bullion	40.00
For Materials used	20.00
Students wishing to take a short course of one term in Chemical Manipulation will be charged	30.00
For Chemicals used	10.00
Deposit (returnable)	10.00
For special laboratory work in connection with Physics, an additional charge is made of	50.00
For special laboratory work in Mineralogy	50.00

For special technical instruction in Electrical Engineering, Microscopy, Blowpipe Analysis, Architecture, Meteorology, Drawing, etc., the tuition fees will be announced at the opening of the term, and will be determined, in part, by the number of students.

PRIZE.

The Fitch Prize, for highest excellence in all branches of Chemistry, founded in honor of the late Willie E. Fitch, of Washington, D. C., consists of Fifty Dollars, awarded annually, to the student passing the best examination in this Department.

For the year 1888-'89 the Fitch Prize was awarded to C. P. TOWNSEND, of New York.

All fees for full courses, or for courses in Analytical Chemistry and Assaying, are payable in monthly instalments, in advance. Fees for single or for special studies are payable in advance in half-yearly instalments. No deduction on account of absence will be made for any less time than a quarter of a year.

For additional information, application may be made to

PROF. E. T. FRISTOE,
Dean of the Faculty.

N. B.—Students who wish to pursue Greek and Latin studies in connection with the other studies prescribed in the College Course for the degree of Bachelor of Letters, Bachelor of Arts, or Master of Arts, can do so on reporting their names to the President of the Faculty. Classes will be formed in these departments by the Rev. A. J. HUNTINGTON, D. D., Professor of Greek in the Columbian College, and A. P. MONTAGUE, A. M., Ph. D., Professor of Latin in the Columbian College, if a sufficient number of students shall apply for such instruction.

ALUMNI ASSOCIATION OF THE COLUMBIAN UNIVERSITY.

OFFICERS 1889-'90.

PRESIDENT:

DR. D. W. PRENTISS.

VICE-PRESIDENTS:

W. A. DECAINDRY, Esq. ANDREW B. DUVALL, Esq.

SECRETARY:

PROF. H. L. HODGKINS.

TREASURER:

PROF. A. P. MONTAGUE.

EXECUTIVE COMMITTEE:

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C. W. FRANZONI, M. D.

PROF. A. P. MONTAGUE.

E. B. HAY, Esq.

D. W. PRENTISS, M. D.

PROF. H. L. HODGKINS.

REV. A. F. STEELE.

The Alumni have recently commenced work on an organized plan for the increase of the University Library, and a number of contributions to the Library Fund and of additions to the Library have been received. The publication of a history of the University and a historical catalogue of the graduates is contemplated. Communications relating to these subjects will be welcomed by the Secretary of the Alumni.

THE PREPARATORY SCHOOL.

CALENDAR.

1890.	Sept.	8-20.—Examination of new scholars.
	Sept.	22.—The First Term commences.
	Sept.	29.—Regular Marks begin.
	Oct.	27.—First Monthly Report rendered.
	Nov.	24.—Second Monthly Report rendered.
	Nov.	27-28.—Thanksgiving Holidays.
	Dec.	22.—Third Monthly Report rendered.
	Dec.	25. } Christmas Holidays.
1891.	Jan.	2. }
	Jan.	26.—Fourth Monthly Report rendered.
	Jan.	28-30.—Intermediate Examination.
	Feb.	2.—Marks of Second Term begin.
	Feb.	22.—Washington's Birthday—holiday.
	March	2.—Fifth Monthly Report rendered.
	March	27-30.—Good Friday and Easter Monday—holidays.
	April	6.—Sixth Monthly Report rendered.
	May	4.—Seventh Monthly Report rendered.
	June	1.—Eighth Monthly report rendered.
	June	1-11.—Final Examination
	June	12.—Public Closing Exercises.

THE PREPARATORY SCHOOL.

CORPS OF INSTRUCTORS.

ANDREW P. MONTAGUE, A. M., Ph. D., Principal, Instructor in Latin and English.

REV. A. J. HUNTINGTON, A. M., D. D., Instructor in Greek.

REV. S. M. SHUTE, A. M., D. D., Instructor in Rhetoric.

HOWARD L. HODGKINS, A. M., Instructor in Mathematics and Physics.

LEE D. LODGE, A. M., Instructor in Latin and French.

EDWARD ROOME, A. M., M. D., Instructor in Greek.

ALBERT R. STUART, Jr., B. A., Instructor in English and Greek.

H. G. HODGKINS, Instructor in Arithmetic.

EDWARD C. TOWNSEND, Instructor in Elocution.

ALVA C. STARIN, Instructor in Penmanship and Book-keeping.

DESIGN

The Preparatory School of the Columbian College was established for the purpose of giving a thorough preparation for College or the technical school, and of fitting boys for the higher pursuits of business. In its new building, in its grades of study, and in its general management, the authorities and the instructors have kept steadily in view the growth of the National Capital and the progress of education in our country. While the School is divided into four grades, the greatest freedom is exercised in classifying pupils in accordance with their previous training and natural aptitudes.

Very many of the boys of our city are compelled to forego a college education and to prepare themselves to enter at once, on leaving the School, some of the many avenues of self-support. This fact has been carefully considered, and a High-school course so arranged as to assist those who take it in making the best use of the time at their disposal.

Under the terms of the "Admiral Powell Endowment," free scholarships will be given to a limited number of pupils who are preparing for admission to the United States Naval Academy at Annapolis, and who, at the end of their course of study, shall actually enter that institution.

DISCIPLINE

The School is conducted on Christian principles, both in its discipline and in its teaching; but no instruction is given and no influence exerted in favor of any peculiar denominational tenets.

In addition to daily recitations, an examination is held at the end of each term on all the studies of that term.

The graded scale of merit used in the School ranges from 0 to 100, and each student must reach a grade of 70 in order to be advanced with his class.

The progress of the scholar is stimulated by daily records, by monthly and term reports to parents, by promotions in his class and by prizes.

GENERAL ORDERS.

The Principal, or one of his assistants, will be at the School Building, No. 1335 H street northwest, from the eighth of September until the School begins, from 10 o'clock A. M. to 2 o'clock P. M., for the purpose of receiving new students and of answering inquiries concerning the School.

The number of scholars in the school at any one time is limited to one hundred, and students will be admitted to vacancies in this number according to the order of their registered application.

The school hours are from 9 o'clock A. M. to 2.15 o'clock P. M.

EXPENSES.

For the scholastic year, including all expenses..... \$80.00

All bills must be paid in advance, at the beginning of each half yearly term, to the Treasurer of the Corporation, ROBERT C. FOX, LL. D., at his office in the Corcoran Building, corner of Fifteenth Street and Pennsylvania Avenue, or to JOHN GOODE URQUHART, Registrar of the School.

SCHEMES OF STUDIES IN THE PREPARATORY SCHOOL.

FIRST YEAR: FOURTH CLASS.

Reading.—"Ungava," and "Thaddeus of Warsaw."
Spelling.—Worcester's New Pronouncing Speller.
Arithmetic.—Thomson's Complete Graded Arithmetic.
Geography.—Swinton's Grammar School Geography.
History.—Anderson's New Grammar School United States.
Grammar.—Hart's Elementary English Grammar.
Latin.—McCabe's Bingham's Latin Grammar.
Declamation, Composition, Map-Drawing.
Penmanship.

SECOND YEAR: THIRD CLASS.

Reading.—"Footprints of Travel," and "The Scottish Chiefs."
Spelling.—Worcester's New Pronouncing Speller.
Grammar.—Hart's English Grammar and Analysis.
Arithmetic.—Thomson's Complete Graded Arithmetic.
Geography.—Swinton's (completed).
History.—Anderson's History of England.
Latin.—McCabe's Bingham's Latin Grammar; Harkness's or Greenough's Caesar.
Greek.—Harkness's First Greek Book; Crosby's Xenophon's Anabasis.
Declamation, Composition, Map-Drawing.
Penmanship.

THIRD YEAR: SECOND CLASS.

Reading.—Sime's History of Germany.
Spelling.—Westlake's 8,000 Practice Words.
Grammar.—Hart's English Grammar and Analysis.
Arithmetic.—Thomson's Commercial Arithmetic.
Algebra.—Bowser's College Algebra.
History.—Anderson's New General History.
Latin.—McCabe's Bingham's Latin Grammar; Harkness's Caesar, and Chase and Stuart's Virgil's Æneid.
Greek.—Harkness's First Greek Book; and Crosby's Xenophon's Anabasis.
Penmanship.
Declamation, Composition.

FOURTH YEAR: FIRST CLASS.

Reading.—Selections from Standard Authors.
Spelling.—Westlake's 8,000 Practice Words.
English Grammar reviewed.
Rhetoric.—Hart's Composition and Rhetoric.
History.—History of Greece, Schmitz.
History of Rome, Schmitz.
Latin.—Harkness's Latin Grammar; Chase and Stuart's Virgil's Æneid; Chase and Stuart's Cicero's Orations; Chase and Stuart's Sallust; Sight Reading; and Selected and Original Exercises.
Greek.—Goodwin's Greek Grammar; Crosby's Xenophon's Anabasis; Seymour's Homer's Iliad; Sight Reading; and Jones's Greek Prose Composition.
French.—Joyne's Otto's Introductory French Lessons; Super's French Reader.
Algebra.—Bowser's College Algebra.
Geometry.—Well's Plane and Solid Geometry.
Physics.—Avery's First Principles of Natural Philosophy.
Penmanship.
Declamation, Composition.
Books of Reference in all Classes: Worcester's or Webster's Dictionary; Baird's Classical Manual; Ginn and Company's or Long's Classical Atlas.

LITERARY SOCIETY.

The Hermesian Society, composed of students of the two higher classes, meets weekly in a hall assigned to it by the authorities of the School, for the purpose of practising debate and for improvement in composition.

The society is under the general supervision of the instructors, but this supervision never takes the form of disagreeable interference.

This association gives two medals—one for excellence in debate, the other for excellence in composition; and these prizes are publicly awarded at the end of the session.

"THE BOSTON BOYS."

Several years ago the Preparatory School received from the great benefactor of the Columbian University, W. W. CORCORAN, LL. D., a superb painting, "The Boston Boys," by Henry Bacon. This beautiful ornament of the School hangs in the main room, and is a delight to the eye as well as an incentive to patriotism.

ANNUAL PRIZES.

The regular prizes of the School consist of First and Second Scholarship medals in each class.

Gold Medals are also given to those students who have been blameless in deportment and against whom there is no record of absence or tardiness during the entire session.

SPECIAL ANNUAL PRIZES.

The following prizes are annually offered as rewards of special excellence in particular branches of study:

1. The Montague Gold Medal for excellence in the Latin Language.
2. The Roome Gold Medal for excellence in the Greek Language.
3. The Lodge Gold Medal for excellence in the French Language.
4. The Hodgkins Gold Medal for excellence in Mathematics.
5. The Townsend Gold Medal for excellence in Elocution during the session.
6. The Fox Gold Medal for excellence in Declamation at the Commencement, awarded by a committee selected by the Principal.

The Columbian College Preparatory School Honor List.

SESSION 1888-'89.

FOR HIGH GRADE OF SCHOLARSHIP.

First Class.....	First Prize.....	Samuel T. Davis, Jr.
	Second Prize.....	Jas. B. Shallenberger.
Second Class.....	First Prize.....	Thornton J. Parker.
	Second Prize.....	Geo. L. Edmunds.
Third Class.....	First Prize.....	Louis Hosmer.
	Second Prize.....	Spencer B. Prentiss.
Fourth Class.....	First Prize.....	{ Daniel Brown Kerfoot.
		{ Chas. G. Hoffman.
Montague Gold Medal in Latin.....		Samuel T. Davis, Jr.
Special Certificate in Latin.....		B. B. H. Lawrence.
Roome Gold Medal in Greek.....		Samuel T. Davis, Jr.
Special Certificate in Greek.....		B. B. H. Lawrence.
Lodge Gold Medal in French.....		McKee Dunn McKee.
Hodgkins Gold Medal in Mathematics.....		Samuel T. Davis, Jr.
Townsend Gold Medal in Declamation.....		Joseph T. Miller.
Honorable mention of Wm. F. Curtis.		
Spencer Prize in Penmanship.....		Edward Payne.
Fox Gold Medal for Declamation at Commencement, awarded by the judges to Joseph T. Miller.		
Honorable mention of J. C. Bell, Geo. M. Whitwell, H. H. Hawling.		

HERMESIAN SOCIETY GOLD MEDALS.

Best Debater.....	T. Wingfield Bullock.
Best Writer.....	Alfred E. Ray.

GOLD MEDALS FOR PUNCTUALITY AND DEPORTMENT.

Four Years.—Radcliffe Copeland.
Two Years.—F. Stuart Davidge, B. B. H. Lawrence, B. Kennon Peter, G. Freeland Peter, Barnwell S. Stuart.
One Year.—Frank W. Emmons, Louis Hosmer, D. Brown Kerfoot, Frank Parson, Edward Payne, Walter P. Redington, Cuthbert S. Spelden, Geo. M. Whitwell, John A. Wise.

GRADUATES IN 1880.

SAMUEL T. DAVIS, JR., English, Latin, Greek, French, Mathematics.
 JAS. B. SHALLENBERGER, English, Latin, Greek, French, Mathematics.
 J. CHARLES BELL, English, French, Mathematics.
 EDGAR S. ECKLES, English.
 HENRY H. HAWLING, English, French.
 BROWNE B. H. LAWRENCE, English, Latin, Greek, French.
 ARTHUR W. MCCORD, Mathematics.
 ARTHUR E. H. MIDDLETON, English.
 JOSEPH T. MILLER, English, Latin.
 LANIER NAPTON, English.
 EDWARD PAYNE, English, French.
 B. KENNON PETER, English, French, Mathematics.
 TUNIS QUICK, English.
 ALFRED E. RAY, English, Mathematics.
 JOHN A. WISE, English, Latin, French.

HONORABLE MENTION FOR AN AVERAGE ABOVE 90 FOR
THE YEAR.

J. Charles Bell, Samuel T. Davis, Jr., George L. Edmunds, Charles G. Hoffman, Louis Hosmer, D. Brown Kerfoot, B. B. H. Lawrence, Ralph W. Lobenstine, McKee Dunn McKee, Thornton J. Parker, B. Kennon Peter, G. Freeland Peter, Spencer B. Brentiss, Jas. B. Shallenberger, Roberts F. Walker, Geo. M. Whitwell.

STUDENTS IN THE PREPARATORY SCHOOL.

STUDENTS.	CLASS.	PATRONS
George A. Bailey	First	Mrs. M. A. Bailey
Le Droiet L. Barber	Third	Mr. A. L. Barber
Charles M. Beall	Fourth	Mr. C. B. Beall
William F. Beers	Second	William F. Beers
Frank C. Bosler	First	Mrs. James W. Bosler
D. W. C. Bosler	First	"
Charles H. Bradley	Fourth	Judge A. C. Bradley
Robert J. Breckinridge	First	Hon. W. C. P. Breckinridge
Harry S. Brown	Fourth	Mr. J. G. Brown
Mayo Cabell	Fourth	Prof. W. D. Cabell
Howard Christman	Second	Mr. P. H. Christman
Plummer Copeland	Fourth	Mrs. V. P. Wiggins
George M. Crawford	First	Mr. S. J. Crawford
Lorenzo P. Crounse	Third	Mrs. M. C. Crounse
William F. Curtis	Second	Mrs. S. B. Curtis
Edward Danenhower	Fourth	Mr. W. W. Danenhower, Jr
Dana A. Davenport	Second	Rev. W. G. Davenport
F. Stuart Davidge	Second	Hon. W. D. Davidge
Frank H. Dodge	Fourth	Mr. H. H. Dodge
William M. C. Dodge	Third	"
Ferdinand Donnelly	First	Mr. M. A. Donnelly
John T. Dunlop	Third	Mr. G. T. Dunlop
George L. Edmunds	First	Mr. James Edmunds
Frank W. Emmons	Second	Mr. George E. Emmons
Louis Fahnestock, Jr.	Third	Mr. Louis Fahnestock
Walter J. Falconer	Second	Mrs. K. J. Falconer
Junkichi Furukawa	Third	The Japanese Minister
Thomas B. Gardner	Third	Mr. Thomas I. Gardner
Franklin Gilkeson	Fourth	Hon. B. F. Gilkeson
Claude W. Given	Third	Hon. John T. Given
Harry Cuthbert Given	Second	"
A. E. S. Greene	First	Chief. Eng. A. S. Greene, U. S. N.
William W. Grier	First	Dr. William Grier, U. S. N.
Austin Herr, Jr.	Third	Mr. Austin Herr
Charles G. Hoffman	Third	Dr. W. J. Hoffman
William Hopkins	First	Mr. James H. Hopkins
Louis Hosmer	Second	Col. A. A. Hosmer
Frank W. Hutchings	First	Mrs. A. D. Hutchings
B. Lowndes Jackson	First	Mrs. E. C. Jackson
J. Russell Johnson	Third	Dr. J. B. Johnson
Stewart C. Johnson	Second	Mr. Jerome F. Johnson

D. Brown Kerfoot	Third	Mrs. M. D. Kerfoot
E. Crosby Kindleberger.....	First	Dr. David Kindleberger, U. S. N.
Joseph R. King.....	Fourth	Mr. Charles W. King
Harry C. Leighter	Second	Mrs. S. K. Leighter
Ralph W. Lobenstine.....	Second	Mr. Wm. C. Lobenstine
L. Fleet Luckett.....	Second	Dr. W. F. Luckett
Battle McCardle.....	Second	Col. Wm. H. McCardle
Pearson F. Marsh.....	Third	Mr. C. B. Marsh
Silas G. Mathewson	Third	Mr. D. N. Mathewson
Harry H. Miller	First	Mrs. Mary Miller
Arthur E. Ormes	First	Mr. James M. Ormes
Singleton P. Outhwaite.....	Second	Hon. Jos. H. Outhwaite
Thornton J. Parker	First	Lt. Comd'r W. H. Parker, U. S. N.
Frank Parson	Second	Mr. J. T. Parson
Conrad M. Patten	Fourth	Mr. John D. Patten
Frank S. Perry.....	Fourth	Rev. J. B. Perry
G. Freeland Peter	Second	Dr. Armistead Peter
E. Arlington Pittis.....	First	Mr. Edw. Pittis
Truman W. Post	Second	Mr. T. S. Post
D. W. Prentiss, Jr.....	Second	Dr. D. W. Prentiss
Elliott C. Prentiss	Third	" "
Spencer B. Prentiss.....	Second	" "
Augustus D. Preston.....	Second	Hon. Stephen Preston
Benton G. Ray	Second	Mr. Alfred Ray
Walter P. Redington	Second	Mr. James K. Redington
Chas. Mason Remey.....	Second	Capt. Geo. C. Remey, U. S. N.
Wm. N. Reynolds.....	Second	Hon. W. M. Reynolds
Thos. W. Riley, Jr.....	Fourth	Mr. Thos. R. Riley
Wm. Oscar Roome, Jr.....	Fourth	Maj. Wm. O. Roome
Fred D. Royce	First	Mr. F. D. Royce
Blaine D. Rusk	Third	Secretary J. M. Rusk
Rob't G. Rutherford, Jr.....	Fourth	Col. Rob't G. Rutherford
A. Monell Sayre.....	Third	Mrs. M. S. Sayre
Rob't C. Schenck.....	Second	Pay Direc'r Caspar Schenck, U. S. N.
Frederick Schwed.....	Third	Mr. J. Schwed
Benjamin P. Snyder, Jr.....	Third	Mr. Benjamin P. Snyder
Cuthbert S. Spelden.....	Third	Mr. Edgar Spelden
Jos. P. Stephenson.....	Third	Mr. W. J. Stephenson
Walter S. Stewart.....	Second	Hon. John D. Stewart
Barnwell S. Stuart.....	Second	Rev. A. R. Stuart, D. D.
Garden C. Stuart.....	Fourth	" "
Curtis H. Thomson.....	Second	Paymaster W. J. Thomson, U. S. N.
Jas. E. Turner.....	First	
Frank E. Wade	Second	Hon. W. H. Wade
Edw. C. Wells.....	Second	Mrs. Mary V. Wells

S. Hartley Wheatley	Fourth	Hon. S. E. Wheatley
George M. Whitwell	First	Mrs. M. M. Whitwell
John F. Wilkins	First	Hon. Beriah Wilkins
Allen Christian Wilson	First	Hon. Wm. L. Wilson
Arthur L. Wilson	First	" "
E. King Wilson, Jr.	First	Senator E. K. Wilson
Thomas H. Winter	First	Dr. J. T. Winter
John W. Wright	Third	Gen. Marcus J. Wright
E. Saxon Wyard	Second	Mrs. M. J. Wyard
William Wirt Wyard	First	" "
John H. Wynne	Fourth	Mr. L. B. Wynne

STUDENTS IN THE PREPARATORY SCHOOL

ANNOUNCEMENT AND CATALOGUE
OF THE
NATIONAL MEDICAL COLLEGE,
MEDICAL DEPARTMENT,



COLUMBIAN UNIVERSITY.

WASHINGTON, D. C..

SIXTY EIGHTH SESSION, 1889-1890.

PROGRAMME OF MEDICAL LECTURES.

For Winter Session of 1889-90.

HOURS.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
5.30 P. M.	Prof. THOMPSON, Surgery.	Prof. FRISTOE, Chemistry.	Prof. THOMPSON, Surgery.	Prof. FRISTOE, Chemistry.	Prof. THOMPSON, Surgery.	Prof. FRISTOE, Chemistry.
6.30 P. M.	Prof. KING, Obstetrics.	Prof. PRENTISS, Materia Medica.	Prof. KING, Obstetrics.	Prof. PRENTISS, Materia Medica.	Prof. KING, Obstetrics.	Prof. PRENTISS, Materia Medica.
7.30 P. M.	Prof. SHUTE, Anatomy.	Prof. JOHNSTON, Practice.	Prof. LEE, Physiology.	Prof. JOHNSTON, Practice.	Prof. SHUTE, Anatomy.	Prof. JOHNSTON, Practice.
7.30 P. M.	Dr. ACZER, Pathological Histology.				Dr. ACZER, Pathological Histology.	
8.30 P. M.	Prof. LEE, Physiology.	Dr. GRAY, Normal Histology.	Prof. SHUTE, Anatomy.	Dr. GRAY, Normal Histology.	Prof. LEE, Physiology.	Dr. GRAY, Normal Histology.

ANNOUNCEMENT AND CATALOGUE
OF THE
NATIONAL MEDICAL COLLEGE
MEDICAL DEPARTMENT
OF
THE COLUMBIAN UNIVERSITY,
WASHINGTON, D. C.,
FOR THE
SIXTY-EIGHTH SESSION, 1889-1890.

WASHINGTON:
RUFUS H. DARBY.
1889.

TRUSTEES AND OVERSEERS.

JAMES C. WELLING, LL. D.,
President of the Corporation.

HONORARY OVERSEERS.

THE PRESIDENT OF THE UNITED STATES.
THE CHIEF JUSTICE OF THE SUPREME COURT OF
THE UNITED STATES.
THE ATTORNEY-GENERAL OF THE UNITED STATES.

OVERSEERS.

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" " J. W. M. WILLIAMS, D. D., Baltimore, Md.
HIRAM WOODS, Esq., ..
HENRY TAYLOR, Esq., ..
EUGENE LEVERING, Esq., ..
THE REV. F. HOWARD KERFOOT, D. D., Louisville, Ky.
GEORGE O. MANNING, Esq., Baltimore, Md.
JAMES POLLARD, Esq., "
THE HON. JAMES B. EDMONDS, Washington, D. C.
.. .. WILLIAM L. WILSON, LL. D., Charlestown, W. Va.
.. .. J. L. M. CURRY, LL. D., Richmond, Va.
.. REV. THOS. D. ANDERSON, Boston, Mass.
EDWARD AUSTEN, Esq., Glencoe, Md.

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EDWARD M. GALLAUDET, LL. D.
GARDINER G. HUBBARD, LL. D.
THE HON. JOHN M. GREGORY, LL. D.

ROBERT C. FOX, LL. D., *Sec'y and Treas. of the Corporation.*

FACULTY.

JAMES C. WELLING, LL. D.,
President of the Columbian University.

N. S. LINCOLN, M. D.,
Emeritus Professor of Surgery.

J. FORD THOMPSON, M. D.,
Professor of Surgery and President of the Faculty.

W. W. JOHNSTON, M. D.,
Professor of the Theory and Practice of Medicine.

A. F. A. KING, A. M., M. D.,
Professor of Obstetrics and the Diseases of Women and Children, and Dean of the Faculty.

EDWARD T. FRISTOE, A. M., LL. D.,
Professor of Chemistry and Toxicology.

WILLIAM LEE, M. D.,
Professor of Physiology.

D. W. PRENTISS, A. M., M. D.,
Professor of Materia Medica and Therapeutics.

D. KERFOOT SHUTE, A. B., M. D.,
Professor of Anatomy.

A. C. ADAMS, A. M., M. D.,
Demonstrator of Anatomy.

G. N. ACKER, A. M., M. D.,
Demonstrator of Pathological Histology.

WILLIAM M. GRAY, M. D.,
Demonstrator of Normal Histology.

PHILIP G. WALES, M. D., MIDDLETON F. CUTHBERT, M. D.,
Assistant Demonstrators of Anatomy.

WILLIAM P. CARR, M. D.,
Prosector to the Chair of Anatomy.

A. F. A. KING, M. D., *Dean.*

726 Thirteenth St., N. W., Washington, D. C.
Telephone Call, 885.

PROFESSORS ON SPECIAL SUBJECTS
IN THE
SPRING SESSION.

FACULTY.

PROF. F. B. LORING, M. D.,
Diseases of the Eye and Ear.

PROF. W. W. GODDING, M. D.,
Mental Diseases.

PROF. H. C. YARROW, M. D.,
Diseases of the Skin.

PROF. GEORGE BYRD HARRISON, M. D.,
Diseases of Children.

PROF. GEORGE WOODRUFF JOHNSTON, M. D.,
Gynecology.

PROF. J. H. BRYAN, M. D.,
Laryngoscopy and Diseases of the Throat.

PROF. THEOBALD SMITH, M. D.,
Bacteriology.

PROF. D. KERFOOT SHUTE, M. D.,
Visceral Anatomy.

PROF. THOMAS E. MCARDLE, A. M., M. D.,
Minor Surgery.

PROF. ROBERT T. EDES, M. D.,
Diseases of the Nervous System.

The Lectures of this Course will be given during April and May, and are made as practical as possible. With this view the members of the Faculty conjoin practical demonstration and clinical teaching with didactic lectures, utilizing for this purpose the Hospitals and Dispensaries with which they are connected. The students are enrolled at the beginning of the spring session, and are from time to time examined. At the end of the course certificates will be issued by each Professor to the students who, by their attention and diligence, shall be considered to have deserved them. Attendance upon this Course is obligatory.

*Superintendent of the Government Hospital for the Insane.

MEDICAL DEPARTMENT.

ANNUAL ANNOUNCEMENT

OF THE

SESSION OF 1889-1890.

THE Sixty-Eighth Course of Lectures begins on Monday, October 7th, 1889, and continues until March 1st, 1890.

The Introductory Lecture of the Course will be delivered by Prof. A. F. A. KING, on the 7th of October, and on the following day the regular Lectures will commence and continue throughout the session, beginning at 5.30 P. M. of each week-day.

The system of instruction adopted by the Medical Department of this University includes, first, a complete course, of about sixty lectures, on each of the seven essential branches of medical science, viz: Anatomy, Physiology, Chemistry, Materia Medica, Surgery, Obstetrics, and the Theory and Practice of Medicine, by attendance upon which course of didactic instruction the student may become thoroughly versed in the principles of medical science. Secondly, a course of Clinical instruction, for which ample opportunities are afforded, and by means of which the general institutes of medicine taught in the lecture-hall are verified, illustrated, and practically applied at the bedside under the immediate observation of the student. In conducting their Clinics the Professors spare no pains to render the student familiar with the proper methods of examining patients, analyzing symptoms, and making a correct diagnosis and prognosis of any case that may be presented. In like manner, the student is taught the art of prescribing medicines and of observing their effects, the mode of performing surgical operations, etc.; every educational facility being thus offered to render the graduate of this College a competent practitioner of medicine.

Many of the Lectures are illustrated by use of the sciopicon, which has proved to be of great assistance in didactic instruction.

The Spring Course of Lectures begins early in April, and comprehends instructions in Mental Diseases; Diseases of the Eye, Ear, Skin, and Throat; Diseases of Children; Bacteriology; Minor Surgery and Bandaging; Gynecology; Visceral Anatomy; and Diseases of the Nervous System.

General Sketch of the Several Lecture Courses.

SURGERY.

PROF. J. FORD THOMPSON, M. D., ONE OF THE ATTENDING SURGEONS
TO THE CHILDREN'S HOSPITAL AND TO THE GARFIELD
GENERAL HOSPITAL.

This course will embrace Didactic Lectures upon the Principles and Practice of Surgery, and, as far as practicable, Clinical Instruction at the College.

Professor THOMPSON being the Attending Surgeon of both the Children's Hospital and the Garfield Hospital, and in charge of the department of Surgery in the Central Dispensary, students are offered the opportunity for Clinical Instruction in these Institutions.

Every effort will be made to teach Surgery in accordance with the latest developments of scientific research. At the College, operations will be performed upon the cadaver, and the use of all important surgical instruments and appliances will be demonstrated in the same manner.

THEORY AND PRACTICE OF MEDICINE

PROF. W. W. JOHNSTON, ONE OF THE CONSULTING PHYSICIANS TO
THE CHILDREN'S HOSPITAL, AND TO THE GARFIELD
HOSPITAL.

The Course of Lectures on the Theory and Practice of Medicine begins with the consideration of the pathological anatomy and symptomatology of the general morbid processes, which occur in many diseases, and to which all the structures of the body are liable. General or constitutional disease and local diseases, or diseases of organs, are described in order.

As the subjects taught from the Chair are so numerous and cover so wide a field, two years are required to complete the Course. The Lectures of each year, therefore, form a distinct and complete series, and it is necessary for the student to follow attentively the Lectures during two successive years in order to finish his studies in this branch.

The courses on Histology and Pathological Histology can not be neglected without serious detriment to progress, and are absolutely necessary to a complete understanding of the studies of this Chair.

The hospitals and dispensaries of the city afford abundant opportunity for the observation of disease, and no chance should be lost to gain a practical knowledge of the methods of

examining cases and the art of diagnosis. The student should also make the effort to study morbid anatomy, by witnessing as many autopsies as is possible, for in this way only can he acquire definite and clear ideas of the appearance of morbid tissues.

OBSTETRICS AND THE DISEASES OF WOMEN AND CHILDREN.

PROF. A. F. A. KING, A. M., M. D., ONE OF THE CONSULTING PHYSICIANS TO THE CHILDREN'S HOSPITAL.

This course will comprise a series of Lectures on the Science and Practice of Midwifery, together with additional Lectures on Gynecology. The main purpose of the Lecturer will be to explain, impress, and simplify the matters to be studied in the books, so as to render them more easily intelligible, and hence more pleasing and satisfactory to the student. With this view the Lectures will be illustrated by diagrams, models, natural preparations, manikins, and instruments.

Mathieu's new elastic manikin, for demonstrating obstetrical operations, has recently been added to the illustrative apparatus.

In the Department of Gynecology the various instruments and appliances required in treating the Diseases of Women will be exhibited, and their uses fully explained. The Lectures will be rendered more complete by the able assistance of Prof. GEORGE W. JOHNSTON, who will add to the Course a Special Series of Lectures on this subject during the Spring Term, together with clinical instruction at the Central Dispensary and Emergency Hospital.

CHEMISTRY AND TOXICOLOGY.

PROF. EDWARD T. FRISTOE, LL. D.

The instruction of this Department embraces—

1st. A short discussion of the various branches of Physics, as Specific Gravity, Pneumatics, Heat, Light, Electricity, etc., so far as they relate to the Science of Chemistry.

2d. The principles of chemical philosophy, the laws of chemical combinations and of chemical affinity in general.

3d. A discussion of the elementary bodies, both metallic and non-metallic; the best methods of preparing the various inorganic bodies, their properties and reactions, and the means of detecting their presence.

4th. The so-called "organic bodies" will be considered as far as time will permit, especially those most useful to the

physician, such as organic acids and their salts, the alkaloids, etc.

Throughout the entire Course the application of Chemistry to Medicine and Pharmacy will be constantly brought before the student.

Special attention is given to Toxicology. The various poisons are studied, so far as the tests for their presence and appropriate antidotes are concerned.

The principles of the science are abundantly illustrated by experiments.

PHYSIOLOGY.

PROF. WILLIAM LEE, M. D.

This Course of Lectures will consist of a full, clear, and practical exposition of Physiology, aided, as far as possible, by experiments, vivisections, and diagrams. The more fully to impress upon the memory of the student the important principles embraced in this valuable part of his curriculum, reviews will be held from time to time in the form of class examinations. The Course will be confined strictly to Physiology, with a view to cover fully the whole ground occupied by this branch.

MATERIA MEDICA AND THERAPEUTICS.

PROF. D. W. PRENTISS, A. M., M. D., ONE OF THE CONSULTING PHYSICIANS TO THE CHILDREN'S HOSPITAL.

In the course of instruction pertaining to this Chair especial prominence will be given to the physiological action of medicines and their therapeutic uses.

The value of a knowledge of Pharmacy and of the Natural History and Chemical relations of the Materia Medica is not overlooked, but time does not admit of their being considered in great detail in the lecture-room. They are rather proper subjects for recess study.

The art of prescribing will have a place in the consideration of individual drugs, particularly with reference to appropriate combinations, much of the success of the practitioner depending upon the practical application of his knowledge in the sick-room.

It will be the endeavor of Professor PRENTISS to make his instruction as practical as possible. The Lectures will be supplemented by working prescriptions and black-board illustrations, as occasion will admit.

From this Chair the student will be taught the use of the Metric System in Medicine.

ANATOMY.

PROF. D. KERFOOT SHUTE, A. B., M. D.

This Course of Lectures is arranged with the view of rendering the didactic instruction in Anatomy as full and complete as the limits of the session will allow.

Sufficient knowledge of the anatomical structure of the human body to qualify one for the practice of medicine may be acquired during the two courses of lectures from this Chair, which each student attends, if, at the same time, he does his duty in the dissecting-room.

The Lectures will be illustrated by frequent reference to recent dissections and numerous drawings and diagrams. The sciopticon will also be employed constantly to present photographic views of many regions of the body.

Special attention will be given during the Course to the Surgical and Medical relations of Human Anatomy, which are of so great importance in the practice of the Medical Profession.

Public oral examinations are conducted by the Lecturer from time to time.

Dr. WILLIAM P. CARR, Prosecutor to the Chair of Anatomy, will prepare the subject for the Lecturer.

Dr. A. C. ADAMS, Demonstrator of Anatomy, and his assistants, Drs. WALES and CUTHBERT, give their personal attention to the students in the dissecting-room.

PRACTICAL ANATOMY.

The Dissecting-Room of this College is large, thoroughly ventilated, well lighted, and furnished with every requisite for the convenience and comfort of the student. Anatomical material is abundantly supplied at a moderate price, only sufficient to cover the expense of procuring and preparing it. The room is open both during the day and at night until 11 P. M., or even later on some occasions. It is under the supervision of the Faculty and the immediate direction of the Demonstrator of Anatomy, who is present *at stated hours* to give personal attention to the students and properly instruct them in their dissections. In the absence of the Demonstrator, one of his assistants will be present to instruct the classes.

PRACTICAL PHYSIOLOGY AND HISTOLOGY.

Practical Laboratory instruction will be continued during the winter session in Normal and Pathological Histology.

Dr. WM. M. GRAY will conduct a course of practical instruc-

tion in Normal Histology in connection with the Chair of Physiology. In this course students will have the opportunity to become familiar with the use of the microscope, and with the minute Anatomy of the tissues and organs of the body.

Dr. G. N. ACKER will give a course in Pathological Histology, in which will be shown the principal tissue alterations found in disease.

The Course in Normal Histology is open to students during the first and second years of their tuition, and the Course in Pathological Histology to third-year students only. Both these Courses constitute a necessary part of college-work, and attendance upon them is not optional with the student, but obligatory.

REQUIREMENTS FOR MATRICULATION AND GRADUATION.

I. Matriculants will be required to show that they are fitted, by previous education, for the study of medicine, and for this purpose they must either submit themselves to an examination, or, in lieu thereof, present a satisfactory certificate of their attainments from some College, Seminary or High School.

II. Candidates for the Degree of Doctor of Medicine must have attended three Courses of Lectures, the subjects to be arranged as follows:

FIRST COURSE—Anatomy, Physiology, Chemistry, and Materia Medica. Practical Anatomy and Histology.

SECOND COURSE—Anatomy, Physiology, Chemistry, and Materia Medica. Practice of Medicine, Surgery, and Obstetrics. Histology, Practical Anatomy, Clinical

Attendance upon the whole seven branches during the second course is obligatory, in order that the student may have the privilege of presenting himself for examination on the final branches at the end of the third course.

Examination at the end of the second course in Anatomy, Physiology, Chemistry, and Materia Medica.

THIRD COURSE—Practice of Medicine, Surgery, Obstetrics, and Pathological Histology. Clinical Medicine and Surgery. Final examination at the end of this course.

Students who elect to take a four years' course shall not be required to attend the lectures upon the three final branches during the second year.

III. Students of other Institutions who have attended one Course of Lectures in any regular Medical School will be placed upon the same footing with those who have attended one course in this College; and those who have attended two Courses of Lectures in any other regular College or Colleges will rank with those who have attended two courses in this Institution, and the same privileges as regards examination will be extended to them—that is to say, they will be admitted as third-course students after passing a satisfactory examination on the four primary branches of Anatomy, Physiology, Chemistry, and Materia Medica.

IV. Candidates for graduation must have studied medicine three years, or the term of three years' study must be completed at a date not exceeding three months after the period of the final examination. They must be of good moral character and at least twenty-one years of age. Satisfactory evidence that the above conditions have been complied with must be furnished by written certificate from some regular physician in good standing.

V. The candidate must have dissected at least two sessions, during each of which he shall be required to dissect two "parts" of a subject, and it is recommended that he dissect three parts. He must have attended also two courses of clinical instruction.

VI. One month before the close of the session he shall enter his name with the Dean of the Faculty as a candidate for graduation, and, at the end of the term, present himself for examination. The examination will be both written and oral. The examination for the Degree will be held at the end of the session in March. An examination will be held in October for those students who have attended three Courses of Lectures, but whose term of three years' study had not been complete at the preceding March examination. Students who fail to pass the examination in March may be re-examined in October, if, in the judgment of the Faculty, they have shown the proficiency requisite to render such a course advisable. The Diploma is only granted at the Annual Commencement in March.

VII. Graduates of other accredited Medical Colleges must pass a satisfactory examination on all of the seven essential branches of Medicine before receiving a Diploma from this University.

ADMISSION OF WOMEN.

The Board of Trustees of this University having authorized the admission of women to the Medical Department, they are now admitted to matriculation and graduation, subject to the same rules and with the same privileges in all respects as are accorded other students.

FACULTY PRIZE.

At the end of the term a General Examination Prize of fifty dollars will be awarded. It will be given to the candidate for graduation who shall pass the best general examination.

At the Commencement in March, 1889, the General Examination Prize was awarded to Samuel R. Means, of Pennsylvania: honorable mention being made of Jose B. Nunez, of

the United States of Colombia, and John Van Rensselaer, of the District of Columbia.

CLINICAL INSTRUCTION.

The opportunities for clinical instruction in the City of Washington have of late years increased in proportion to its augmented population and growing business activity, offering a strong contrast, in this respect, to the advantages formerly offered to the student.

In addition to the opportunities afforded for general instruction in Medicine and Surgery by the larger hospitals of the city, facilities are also provided by which the student may qualify himself for the treatment of certain special departments of Disease, which have of late acquired considerable prominence in Medical Practice, and in the successful management of which a certain skill is necessary, that can only be acquired by special courses of clinical instruction, such as the Faculty of this College design to supply.

Diseases of Infants and Children.—In this important class of maladies—which seldom receives the attention it deserves from medical students—special clinical instruction will be given at the “Children’s Hospital,” by the Physicians and Surgeons, among whom are Profs. W. W. JOHNSTON, J. FORD THOMPSON, F. B. LORING, and G. N. ACKER. Many hundreds of cases, representing a great number and variety of diseases, are annually treated in the wards and in the outdoor department of this Hospital. Students are admitted to the clinics free of charge, and also to the Dispensary service, which is open daily from 2:30 to 4:30 P. M. Under direction of the very able Medical and Surgical Attendants of this Institution, ample opportunity will be afforded the student to become practically acquainted with the diagnosis and treatment of the diseases of early life.

Diseases of the Eye and Ear.—Dr. F. B. LORING has charge of the Department of the Diseases of the Eye and Ear in the Children’s Hospital. The Dispensary Service of this Institution is open on Mondays, Wednesdays, and Fridays at 2 P. M., when students may have the opportunity of seeing the various diseases of these organs. Dr. LORING is also Ophthalmic Surgeon of the Providence Hospital. During the winter he will be at this Hospital on Sunday mornings at 10 o’clock, to give clinical instruction, and at the Washington Eye and Ear Infirmary at stated hours to be designated during the term.

The “Central Dispensary and Emergency Hospital” treats a large number of patients. During last year about 13,000 were

examined and prescribed for. The Dispensary has six separate departments, exclusive of the Emergency Hospital, viz: 1, Diseases of Children; 2, Diseases of Women; 3, Diseases of the Eye and Ear; 4, Diseases of the Throat and Lungs; 5, Surgery and Skin Diseases; 6, General and Nervous Diseases. During the winter Clinical Lectures are given daily, from 1 to 3 P. M., by members of the Attending Staff, admission to which is secured by means of cards, to be obtained from the Secretary of the Staff. The Department of "General and Nervous Diseases" is in charge of Prof. WILLIAM LEE; that of "Surgery and Skin Diseases," in charge of Prof. J. FORD THOMPSON, and that of "Diseases of Women," in charge of Prof. GEORGE WOODRUFF JOHNSTON.

The members of the House Staff of the Hospital are chosen annually by Competitive examination.

There are three Dispensary studentships and a resident studentship, which are open to undergraduates.

The Garfield General Hospital affords additional facilities for clinical instruction in both Medicine and Surgery. Profs. J. FORD THOMPSON and W. W. JOHNSTON are included in the Medical and Surgical Staff of this Institution.

All clinical instruction is *free of charge*.

LIBRARIES, ARMY MEDICAL MUSEUM, ETC.

The location of the University at the seat of the National Capital affords several striking advantages to the medical student. He has free access to the Libraries of Congress, of the Army Medical Museum of the Smithsonian Institution and of the Patent Office, all of which contain rare and costly works in every department of science and literature. The Army Medical Museum is also open for inspection daily from 9 to 3 o'clock. With its unrivalled collection of anatomical and pathological specimens, illustrating normal anatomy and the results of disease in every form, and an almost unlimited number of other preparations showing the effects of gunshot wounds and surgical injuries of every kind, this Museum presents a field for study superior to any other institution of the kind either in this country or Europe.

Apart from these considerations, students from a distance have the opportunity of spending a winter profitably at the seat of the National Government during the session of Congress. The College lectures beginning at 5.30 in the evening, ample time is afforded during the term for visiting the public buildings, works of art, and other places of interest to a stranger.

Prominent among these may be mentioned the new National Museum, established in connection with the Smithsonian Institution. Here may be seen fully classified collections illustrating the Arts and Industries of the country: and of special interest to the Medical student there is found in this Museum the most complete and best arranged collection of *Materia Medica* in the world. The drugs are shown in all their processes of manufacture, from the original package in which they are imported or marketed to the delicate alkaloid constituting the active principle.

Of great interest, also, are the Government Botanical Gardens and the Grounds of the Agricultural Department, where the student of botany may find a rare collection of medicinal plants, from which are derived many of the preparations of the *Materia Medica*.

At the United States Patent Office models of many curious medical and surgical instruments may be daily inspected from 9 to 3 o'clock, thus affording to the student an opportunity of studying the mechanical contrivances used in Medicine, Surgery, and Obstetrics, that is not to be obtained in any other city.

FEES. REGULATIONS, ETC.

The entire expense for a Full Course of Lectures by all the Professors is.....	\$100
Single Tickets.....	15
Practical Anatomy, by the Demonstrator.....	10
Matriculation Fee (payable only once).....	5
Examination Fee (not returnable, but payable once only). Primary Branches.....	20
Examination Fee (not returnable, but payable once only). Final Branches.....	10
No Fee for Graduating Expenses.	

In conformity with the foregoing regulations, the expense for each of the three courses is as follows:

FIRST COURSE:	
Matriculation Fee.....	\$5 00
Four Primary Tickets.....	60 00
Practical Anatomy, by the Demonstrator.....	10 00
Total.....	75 00
SECOND COURSE:	
Four Primary Tickets.....	\$60 00
Three Final Tickets.....	45 00
Practical Anatomy, by the Demonstrator.....	10 00
Examination Fee (Primary Branches).....	20 00
Total.....	135 00
THIRD COURSE:	
Three Final Tickets.....	\$45 00
Examination Fee (Final Branches).....	10 00
Total.....	55 00

There is no charge for the Spring Course except the Matriculation Fee, \$5

No charge will be made to matriculants for the courses of Practical Instruction in the Laboratory on Normal and Pathological Histology, nor for Clinical Lectures.

Payment of the fees is required in all cases, and tickets must be taken out at the commencement of the session, *unless special arrangement be made with the Dean to suit the convenience of the student.*

By virtue of a liberal endowment from the late Mr. W. W. CORCORAN, this College is enabled to offer six free Scholarships, which are under the supervision of the Columbian University. Applicants for the privileges of this endowment must produce a certificate from the authorities of the University that they have been fitted by previous education for the study of medicine. Applications should be addressed to the Dean, and sent in not later than the end of September, accompanied with written evidence of pecuniary inability and certificates of moral character and industry. This is the only mode by which any deduction can be made from the regular fees, except as hereinafter stated.

Graduates of other accredited Medical Colleges, after five years, are required to matriculate only. Prior to the expiration of five years, the fee for a general ticket is \$50.

The degrees are conferred by the authority of the Columbian University, incorporated by act of Congress of the United States of America.

The prices of board and all other personal expenses are as reasonable in Washington as in other large cities of the Union.

Students requiring further information are requested to communicate with the Dean of the Faculty.

A. F. A. KING, M. D., Dean.

726 13th Street N. W., Washington, D. C.

Telephone Call. 885.

STUDENTS OF MEDICINE.

JACOB S. ALLEN, JR	District of Columbia
WILLIAM R. ANDREWS	District of Columbia.
LOTTA R. ARWINE	Indiana
EDWIN W. ASHFORD	District of Columbia.
WILLIAM W. AYRES	Pennsylvania.
ERNEST B. BALCH	New Hampshire.
EDMUND BARRY	District of Columbia
ALEXANDER F. BERRYHILL	Illinois.
WILLIAM A. BEVARD	District of Columbia
LOUISA M. BLAKE	New Jersey.
FRED M. BOGAN	District of Columbia
LOUIS V. BOGY	Missouri.
RUFUS D. BOSS	New York.
CORNELIUS B. BOYLE	District of Columbia
MADISON M. BREWER	Kansas.
WILLIAM A. CALDWELL	West Virginia
WALTER D. CANNON	Illinois.
WILLIAM K. CARR	District of Columbia
ELLEN W. CATHCART	Indiana.
WILLIAM H. T. CHEW	Maryland.
JAMES R. CHURCH	District of Columbia.
CHARLES R. CLARK	New York.
HORACE F. CLARK	Missouri.
JOHN E. CLARKE	District of Columbia
ERNEST L. COAKLEY	Virginia.
WILLIAM F. COLE	Texas.
EDWARD J. COLLINS	Minnesota.
ELLIOTT B. COVES	District of Columbia
CHARLES STUART COWIE	District of Columbia
ELLEN L. CUDLIP	Pennsylvania.
MARVIN A. CUSTIS	District of Columbia.
ROBERT A. DANIEL	District of Columbia.
ZADOK T. DANIEL, M. D	Alabama.
GEORGE S. DAVIDSON	Tennessee.
ALFRED DE CARRE	Missouri.
CHARLES M. DE VALIN	District of Columbia
JAMES F. DOUGLAS	California.
WALTER C. DUFF	Maryland.
CHARLES S. ELLIOTT	Kansas.
DORSEY F. EMMERT	Maryland.
AMELIA ERBACH	District of Columbia.
JOSEPH G. FALCK, B. S	District of Columbia
GEORGE W. FITCH	New Jersey.
HARRIS H. FREEZE	Nebraska.
CHARLES GARDNER, B. S.	Maryland.
WILLIAM F. GACHELL	Ohio.
HORATIO G. GIBSON, JR.	Kentucky.
WILLIAM S. GIBSON, A. B.	Maryland.

CHARLES F. GILLIAM, M. D.	Ohio.
HENRY S. GOODALL, A. B.	Vermont.
MAX HANSMANN	District of Columbia
GENA RUSSELL HARDING, A. B.	Massachusetts
MEYER HERMAN	Louisiana.
FRANK D. HESTER	District of Columbia.
HENRY B. HITZ	District of Columbia.
WILLIAM D. HORGAN	District of Columbia.
THEODORE Y. HULL, B. S.	Missouri.
WILLIAM A. JACKSON, JR.	Maryland.
HENRY A. JOHNSON	Pennsylvania.
SIDNEY L. JOHNSON	District of Columbia.
CHARLES S. KALB	Virginia.
JOHN T. KELLY, JR.	Maryland.
DOUGLAS H. KINCAID	Kentucky.
JOHN W. KLEMM	New York.
SAMUEL H. KNIGHT	District of Columbia.
AUGUSTUS E. KNORR	New York.
FRANK LEECH	District of Columbia.
MARIA LLEWELLYN	New York.
GUSTAVO P. MACIAS	District of Columbia.
LILY MACGOWAN	Iowa.
LOUIS MACKALL, JR.	District of Columbia
ROBERT H. MARTIN	Virginia.
ALEXANDER H. McCORMICK, JR.	District of Columbia
DANIEL P. McCORNACK	Wisconsin.
THOMAS H. McDONALD	California.
ALEXANDER B. McDOWELL	Texas.
MARGARET R. MCINTYRE	New York.
OSCAR A. M. McKIMMIE	District of Columbia
SAMUEL R. MEANS	Pennsylvania.
OSCAR A. MENOCAL	District of Columbia
FRANK D. MERCHANT	District of Columbia.
ARTHUR C. MERRIAM	District of Columbia.
JOHN H. METZEROTT	District of Columbia.
ROSEIER MIDDLETON	Virginia.
FRANK L. MITCHELL	Alabama.
THOMAS B. MOHUN	District of Columbia.
VERANUS A. MOORE	New York.
JOHN B. NICHOLS	New York.
PHEBE R. NORRIS	Pennsylvania.
JOSÉ BOLIVAR NUÑEZ	U. S. of Colombia.
THEODORE E. ORTEL	Rhode Island.
DAISY M. ORLEMAN	Florida.
AUGUSTA M. PETTIGREW	Maine.
WILLIAM F. R. PHILLIPS	Virginia.
ALEXIS L. PRATT	California.
HARRY V. PYLES	Maryland.
HUGH B. REED	New Jersey.

EDMUND S. RHEEM	District of Columbia.
WILLIAM P. RIPLEY	Louisiana
ALEXANDER L. ROBINSON	New York
STERLING RUFFIN	North Carolina
STEPHEN M. RYDER	Massachusetts
GEORGE SCHAFF	Pennsylvania
JOHN J. SHIRLEY	Wisconsin
H. C. SLOGGETT, M. D., L. R. C. S., L. R. C. P., etc	District of Columbia
BERNARD J. SMITH	Pennsylvania
JAMES H. STONE	District of Columbia
JAMES STUART, B. A.	South Carolina
ROBERT L. SUTTON, A. B.	Alabama
OLIVER A. T. SWAIN	Massachusetts
FRED K. SWETT, LL. B.	District of Columbia
JOSEPH SWINDELL	North Carolina
SAMUEL H. THORNBURGH, B. S.	Tennessee
TYLER TOWNSEND	Michigan
ROBERT D. TUCKER, A. M.	Virginia
WILLIAM A. URIE	Pennsylvania
JOHN VAN RENSSELAER, B. A.	District of Columbia.
OTTO VOSS	Louisiana.
JOHN E. WALSH	District of Columbia.
EDWIN D. WEBB	District of Columbia
JOHN R. WELLINGTON, A. B.	Maine.
WYATT A. WILBORN	Texas.
LOWELL C. WILLIAMS	Nebraska
HENRY D. WILSON	District of Columbia
JOHN L. WIRT	California.

STUDENTS OF MEDICINE

125.

GRADUATES, 1889.

CHARLES R. CLARK	New York.
HORACE F. CLARK	Missouri.
WILLIAM F. COLE	Texas.
ALFRED DE CARRE	Missouri.
AMELIA ERBACH	District of Columbia
GENA RUSSELL HARDING	Massachusetts.
WILLIAM D. HORIGAN	District of Columbia
HENRY A. JOHNSON	Pennsylvania.
SAMUEL R. MEANS	Pennsylvania.
ARTHUR C. MERRIAM	District of Columbia
ROSEB MIDDLETON	Virginia.
THOMAS B. MOHUN	District of Columbia.
JOSE B. NUÑEZ	United States of Colombia.
ALEXIS L. PRATT	California.
ALEXANDER L. ROBINSON	New York.
JAMES H. STONE	District of Columbia.
ROBERT L. SUTTON	Alabama.

JOHN VAN RENSSELAER	District of Columbia.
FRED. K. SWETT	District of Columbia.
EDWIN DOUGLAS WEBB	District of Columbia.

UNDERGRADUATES

PASSING A SATISFACTORY EXAMINATION IN THREE OR MORE PRIMARY BRANCHES.

WILLIAM W. AYRES	Pennsylvania.
MADISON M. BREWER	Kansas.
CHARLES STUART COWIE	District of Columbia.
CHARLES S. ELLIOTT	Kansas.
GEORGE W. FITCH	New Jersey.
CHARLES H. GARDNER	Maryland.
WILLIAM S. GIBSON	Maryland.
HENRY S. GOODALL	Vermont.
MAX HANSMANN	District of Columbia.
CHARLES S. KALB	Virginia.
JOHN T. KELLY, JR.	Maryland.
DOUGLAS H. KINCAID	Kentucky.
SAMUEL H. KNIGHT	District of Columbia.
AUGUSTUS E. KNORR	New York.
LOUIS MACKALL, JR.	District of Columbia.
DANIEL P. MCCORNACK	Wisconsin.
OSCAR A. MENOCAL	District of Columbia.
VERANUS A. MOORE	New York.
PHEBE R. NORRIS	Pennsylvania.
DAISY M. ORLEMAN	Florida.
WILLIAM F. R. PHILLIPS	Virginia.
STERLING RUFFIN	North Carolina.
JOHN J. SHIRLEY	Wisconsin.
JOHN E. WALSH	District of Columbia.

Text Books and Works of Reference.

ANATOMY — *Graff's Anatomy*. * *Quain's Anatomy, Descriptive and Surgical*; *Holden's Manual of Dissection*.

PHYSIOLOGY — *Leidlois'*, *Dalton's*, or *Flint's Physiology*; *Foster and Langley's Practical Physiology*; *Rutherford's Practical Histology*.

CHEMISTRY — *Barker's*, *Attfield's*, *Bloxam's*, or *Fowne's Chemistry*; *Bowman's Medical Chemistry*; *Witthaus' Chemistry*, and *Remsen's Organic Chemistry*.

MATERIA MEDICA — *H. C. Wood's Therapeutics*; *National Dispensatory*; *Edes' Therapeutics*.

SURGERY — *Ashurst's*, *Gross' System of Surgery*; *Erichsen's* or *Druitt's Surgery*.

PRACTICE OF MEDICINE — *Robert's*, *Bartholow's*, *Flint's* or *Niemeyer's Practice*; *Syst. of Medicine*, (Pepper.)

OBSTETRICS — *Playfair's*, *Leishman's* or *Lusk's Obstetrics*; *King's Manual*; *Thomas*, *Barnes* or *Byford on Diseases of Women*; *J. Lewis Smith*, or *W. H. Day*, or *Meigs & Pepper on Diseases of Children*; and *Skene on Diseases of the Female Bladder and Urethra*.

PATHOLOGICAL ANATOMY AND HISTOLOGY — *Green's Pathology*; *Frey's* or *Stricker's Histology*; *Rindfleisch's Pathological Histology*; *Cornil and Ranvier*.

Thomas' Medical Dictionary.

*The works first named and in *italics* are preferred.

THE COLUMBIAN UNIVERSITY,

WASHINGTON, D. C.

JAMES C. WELLING, LL.D., *President of the University.*

Collegiate and Professional Instruction is given in the Columbian University in five departments: The COLUMBIAN COLLEGE, the NATIONAL MEDICAL COLLEGE, the SCHOOL OF DENTISTRY, the COLUMBIAN UNIVERSITY LAW SCHOOL, and the CORCORAN SCIENTIFIC SCHOOL.

The first of these comprises the usual College course in Languages (Ancient and Modern), Mathematics, the Physical Sciences, History, Mental, Moral, and Political Philosophy, with specific courses leading severally to the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Letters.

The National Medical College, the Medical Department of the University, comprises the course of study defined in this catalogue.

The Dental School provides a course of study in the Science and Art of Dentistry, leading to the degree of Doctor of Dental Surgery.

The Columbian University Law School has an undergraduate course of study in the elements of Law, leading to the degree of Bachelor of Laws, and a graduate course of study in Practice, leading to the degree of Master of Laws.

The Corcoran Scientific School comprises general courses of study, leading to the degrees, respectively, of Bachelor of Science and Civil Engineer, and a *special* course in Chemistry and Metallurgy, leading, with certain auxiliary studies, to the first-named of these degrees. The Chemical Laboratory, recently constructed, affords ample facilities for analytical work.

Besides the foregoing higher departments, the University has under its management a Preparatory School, in which students are prepared for College, for the Military School at West Point, or for the Naval Academy at Annapolis.

For further information, or for catalogues, address—

JAMES C. WELLING,
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CATALOGUE

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PREPARATORY SCHOOL.

WASHINGTON, D. C.

FOR THE ACADEMIC YEAR 1889-'90.

WASHINGTON:
RUFUS H. DABY, PRINTER.
1889.

CATALOGUE
OF
THE COLUMBIAN COLLEGE
PREPARATORY SCHOOL,
WASHINGTON, D. C.,

FOR THE ACADEMIC YEAR 1889-'90.

WASHINGTON :
RUFUS H. DARBY, PRINTER.
1890.

THE PREPARATORY SCHOOL.

CALENDAR.

1890	Sept.	8-20.	—Examination of new scholars
	Sept.	22.	—The First Term commences
	Sept.	29.	—Regular Marks begin.
	Oct.	27.	—First Monthly Report rendered
	Nov.	24.	—Second Monthly Report rendered
	Nov.	27-28.	—Thanksgiving Holidays
	Dec.	22.	—Third Monthly Report rendered
	Dec.	25.	Christmas Holidays.
1891	Jan.	2.	
	Jan.	26.	—Fourth Monthly Report rendered
	Jan.	23-30.	—Intermediate Examination
	Feb.	2.	—Marks of Second Term begin.
	Feb.	22.	—Washington's Birthday—holiday
	March	2.	—Fifth Monthly Report rendered.
	March	27-30.	—Good Friday and Easter Monday—holidays.
	April	6.	—Sixth Monthly Report rendered
	May	4.	—Seventh Monthly Report rendered
	June	1.	—Eighth Monthly report rendered.
	June	1-11.	—Final Examination
	June	12.	—Public Closing Exercises

THE PREPARATORY SCHOOL.

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EDWARD C. TOWNSEND, Instructor in Elocution.

ALVA C. STARIN, Instructor in Penmanship and Book-keeping.

DESIGN

The Preparatory School of the Columbian College was established for the purpose of giving a thorough preparation for College or the technical school, and of fitting boys for the higher pursuits of business. In its new building, in its grades of study, and in its general management, the authorities and the instructors have kept steadily in view the growth of the National Capital and the progress of education in our country. While the School is divided into four grades, the greatest freedom is exercised in classifying pupils in accordance with their previous training and natural aptitudes.

Very many of the boys of our city are compelled to forego a college education and to prepare themselves to enter at once, on leaving the School, some of the many avenues of self-support. This fact has been carefully considered, and a High-school course so arranged as to assist those who take it in making the best use of the time at their disposal.

Under the terms of the "Admiral Powell Endowment," free scholarships will be given to a limited number of pupils who are preparing for admission to the United States Naval Academy at Annapolis, and who, at the end of their course of study, shall actually enter that institution.

DISCIPLINE

The School is conducted on Christian principles, both in its discipline and in its teaching; but no instruction is given and no influence exerted in favor of any peculiar denominational tenets.

In addition to daily recitations, an examination is held at the end of each term on all the studies of that term.

The graded scale of merit used in the School ranges from 0 to 100, and each student must reach a grade of 70 in order to be advanced with his class.

The progress of the scholar is stimulated by daily records, by monthly and term reports to parents, by promotions in his class and by prizes.

GENERAL ORDERS

The Principal, or one of his assistants, will be at the School Building, No. 1735 H Street, north-west, from the eighth of September until the School begins, from 10 o'clock A. M. to 2 o'clock P. M., for the purpose of receiving new students and of answering inquiries concerning the School.

The number of scholars in the school at any one time is limited to one hundred, and students will be admitted to vacancies in this number according to the order of their registered application.

The school hours are from 9 o'clock A. M. to 2.15 o'clock P. M.

EXPENSES

For the school year 1908-1909, the expenses are \$8.00. All bills must be paid to the Treasurer of the Corporation, ROBERT C. FOX, LL. D., at his office in the Corcoran Building, corner of Fifteenth Street and Pennsylvania Avenue, or to JOHN GEORGE LINGHART, Registrar of the School.

SCHEMES OF STUDIES IN THE PREPARATORY SCHOOL.

FIRST YEAR. FOURTH CLASS.

Reading — "Ungava," and "Fiddlers of Warsaw."
Syllable — Webster's New Pronouncing Speller.
Arithmetic — Thomson's Complete Graded Arithmetic.
Geography — Swinton's Grammar School Geography.
History — Anderson's New Grammar School History, States.
Grammar — Hart's Elementary English Grammar.
Latin — McCulloch's Bingham's Latin Grammar.
Dictionnaire, Composition, Map Drawing, Penmanship.

SECOND YEAR. THIRD CLASS.

Reading — "Footprints of Travel," and "The Scottish Chiefs."
Syllable — Webster's New Pronouncing Speller.
Grammar — Hart's English Grammar and Analysis.
Arithmetic — Thomson's Complete Graded Arithmetic.
Geography — Swinton's Complete.
History — Andrews's History of England.
Latin — McCulloch's Bingham's Latin Grammar, Harkness's or Greenough's Cæsar.
Greek — Harkness's First Greek Book, Crosby's Xenophon's Anabasis.
Dictionnaire, Composition, Map Drawing, Penmanship.

THIRD YEAR. SECOND CLASS.

Reading — Sims's History of Germany.
Syllable — Webster's 3000 Practice Words.
Grammar — Hart's English Grammar and Analysis.
Arithmetic — Thomson's Commercial Arithmetic.
Algebra — Bowser's College Algebra.
History — Anderson's New Greek History.
Latin — McCulloch's Bingham's Latin Grammar, Harkness's Cæsar, and Chase and Stuart's Virgil's Æneid.
Greek — Harkness's First Greek Book, and Crosby's Xenophon's Anabasis.
Dictionnaire, Composition.

FOURTH YEAR. FIRST CLASS.

Reading — Selections from Standard Authors.
Syllable — Webster's 3000 Practice Words.
English Grammar — Revised.
Rhetoric — Hart's Composition and Rhetoric.
History — History of Greece, Schmitz.
History of Rome — Schmitz.
Latin — Harkness's Latin Grammar, Chase and Stuart's Virgil's Æneid, Chase and Stuart's Cicero's Oration, Chase and Stuart's Solust, Sight Reading, and Selected and Original Exercises.
Greek — Goodwin's Greek Grammar, Crosby's Xenophon's Anabasis, Seymour's Homer's Iliad, Sight Reading, and Lattin's Greek Prose Composition.
French — Joyner's Otto's Introductory French Lessons, Super's French Reader.
Algebra — Bowser's College Algebra.
Geometry — Wells's Plane and Solid Geometry.
Physics — Avery's First Principles of Natural Philosophy.
Penmanship.
Dictionnaire, Composition.
Books of Reference in all Classes: Webster's or Webster's Dictionary; Baird's Classical Manual, Ginn and Company's or Long's Classical Atlas.

LITERARY SOCIETY.

The Hermesian Society, composed of students of the two higher classes, meets weekly in a hall assigned to it by the authorities of the School, for the purpose of practising debate and for improvement in composition.

The society is under the general supervision of the instructors, but this supervision never takes the form of disagreeable interference.

This association gives two medals—one for excellence in debate, the other for excellence in composition; and these prizes are publicly awarded at the end of the session.

"THE BOSTON BOYS."

Several years ago the Preparatory School received from the great benefactor of the Columbian University, W. W. CORCORAN, LL. D., a superb painting, "The Boston Boys," by Henry Bacon. This beautiful ornament of the School hangs in the main room, and is a delight to the eye as well as an incentive to patriotism.

ANNUAL PRIZES.

The regular prizes of the School consist of First and Second Scholarship medals in each class.

Gold Medals are also given to those students who have been blameless in deportment and against whom there is no record of absence or tardiness during the entire session.

SPECIAL ANNUAL PRIZES.

The following prizes are annually offered as rewards of special excellence in particular branches of study:

1. The Montague Gold Medal for excellence in the Latin Language.
2. The Roome Gold Medal for excellence in the Greek Language.
3. The Lodge Gold Medal for excellence in the French Language.
4. The Hodgkins Gold Medal for excellence in Mathematics.
5. The Townsend Gold Medal for excellence in Elocution during the session.
6. The Fox Gold Medal for excellence in Declamation at the Commencement, awarded by a committee selected by the Principal.

The Columbian College Preparatory School Honor List.

SESSION 1888-'89.

FOR HIGH GRADE OF SCHOLARSHIP.

First Class.....	First Prize.....	Samuel T. Davis, Jr.
	Second Prize.....	Jas. B. Shallenberger.
Second Class.....	First Prize.....	Thornton J. Parker.
	Second Prize.....	Geo. L. Edmunds.
Third Class.....	First Prize.....	Louis Hosmer.
	Second Prize.....	Spencer B. Prentiss.
Fourth Class.....	First Prize.....	{ Daniel Brown Kerfoot.
		{ Chas. G. Hoffman.
Montague Gold Medal in Latin.....		Samuel T. Davis, Jr.
Special Certificate in Latin.....		B. B. H. Lawrence.
Roome Gold Medal in Greek.....		Samuel T. Davis, Jr.
Special Certificate in Greek.....		B. B. H. Lawrence
Lodge Gold Medal in French.....		McKee Dunn McKee.
Hodgkins Gold Medal in Mathematics.....		Samuel T. Davis, Jr.
Townsend Gold Medal in Declamation.....		Joseph T. Miller
Honorable mention of Wm. F. Curtis		
Spencer Prize in Penmanship.....		Edward Payne.
Fox Gold Medal for Declamation at Commencement. awarded by the judges to Joseph T. Miller.		
Honorable mention of J. C. Bell. Geo. M. Whitwell. H. H. Hawling.		

HERMESIAN SOCIETY GOLD MEDALS.

Best Debater.....	T. Wingfield Bullock
Best Writer.....	Alfred E. Ray.

GOLD MEDALS FOR PUNCTUALITY AND DEPORTMENT.

Four Years.—Radcliffe Copeland.	
Two Years.—F. Stuart Davidge, B. B. H. Lawrence. B. Kennon Peter. G. Freeland Peter, Barnwell S. Stuart.	
One Year.—Frank W. Emmons, Louis Hosmer. D. Brown Kerfoot. Frank Parson, Edward Payne, Walter P. Redington, Cuthbert S. Spelden. Geo. M. Whitwell, John A. Wise.	

GRADUATES IN 1889

SAMUEL T. DAVIS, JR., English, Latin, Greek, French, Mathematics.
 JAS. B. SHALLENBERGER, English, Latin, Greek, French, Mathematics.
 J. CHARLES BELL, English, French, Mathematics.
 EDGAR S. ECKLES, English.
 HENRY H. HAWLING, English, French.
 BROWNE B. H. LAWRENCE, English, Latin, Greek, French.
 ARTHUR W. McCORD, Mathematics.
 ARTHUR E. H. MIDDLETON, English.
 JOSEPH T. MILLER, English, Latin.
 LANIER NAPTON, English.
 EDWARD PAYNE, English, French.
 B. KENNON PETER, English, French, Mathematics.
 TUNIS QUICK, English.
 ALFRED E. RAY, English, Mathematics.
 JOHN A. WISE, English, Latin, French.

HONORABLE MENTION FOR AN AVERAGE ABOVE 90 FOR
THE YEAR

J. Charles Bell, Samuel T. Davis, Jr., George L. Edmunds, Charles G.
 H. Egan, Louis H. Smer, D. Brown Kerfoot, B. B. H. Lawrence, Ralph
 W. Lobenstein, McKee Dunn McKee, Thornton J. Parker, B. Kennon
 Peter, G. Freed and Peter Spencer B. Prentiss, Jas. B. Shallenberger,
 Roberts F. Wacker, Geo. M. Whitwell.

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F. Stuart Davidge	Second	Hon. W. D. Davidge
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William M. C. Dodge	Third	"
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J. L. T. Dantap	Third	Mr. G. T. Dantap
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Louis Fildesstock, Jr.	Third	Mr. Louis Fildesstock
Walter J. Fildes	Second	Mrs. R. J. Fildes
Jankichi Fildes	Third	The Japanese Mission
Thomas B. Gardner	Third	Mr. Thomas B. Gardner
Frederick Gillison	Fourth	Hon. B. F. Gillison
George W. Given	Third	Hon. John T. Given
Harry Cathbert Given	Second	"
A. L. S. Greene	First	Chas. Eng. A. S. Greene, U. S. N.
William W. Grier	First	Dr. William Grier, U. S. N.
Austin Herr, Jr.	Third	Mr. Austin Herr
Charles G. Hoffman	Third	Dr. W. J. Hoffman
William Hopkins	First	Mr. James H. Hopkins
Louis Hosmer	Second	Col. A. A. Hosmer
Frank W. Hutchings	First	Mrs. A. D. Hutchings
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Stewart C. Johnson	Second	Mr. Jerome F. Johnson

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Truman W. Post	Second	Mr. T. S. Post
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Elliott C. Prentiss	Third	" "
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STUDENTS IN THE PREPARATORY SCHOOL.

ANNOUNCEMENT AND CATALOGUE
OF THE
DENTAL DEPARTMENT



COLUMBIAN UNIVERSITY,

WASHINGTON, D. C.,

FOR 1890

THIRD SESSION, 1889-1890.

PROGRAMME OF LECTURES.

Winter Session of 1889-'90.

HOURS.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
5 30 P. M.	Prof. H. C. THOMPSON. Operative Dentistry.	Prof. FRISTOE. Chemistry.		Prof. FRISTOE. Chemistry.	Prof. H. C. THOMPSON. Operative Dentistry.	Prof. FRISTOE. Chemistry.
6 30 P. M.	Prof. LEWIS. Prosthetic Dentistry.	Prof. PRENTISS. Materia Medica.	Special Clinical Lecture.	Prof. PRENTISS. Materia Medica.	Prof. LEWIS. Prosthetic Dentistry.	Prof. PRENTISS. Materia Medica.
7 30 P. M.	Prof. SHUTE. Anatomy.		Prof. LEE. Physiology		Prof. SHUTE. Anatomy.	
8 30 P. M.	Prof. LEE. Physiology.	Dr. GRAY. Normal Histology.	Prof. SHUTE. Anatomy.	Dr. GRAY. Normal Histology.	Prof. LEE. Physiology	Dr. GRAY. Normal Histology.

ANNOUNCEMENT AND CATALOGUE

•
OF THE

DENTAL DEPARTMENT

OF

THE COLUMBIAN UNIVERSITY,

WASHINGTON, D. C.,

FOR THE

THIRD SESSION, 1889-1890.

WASHINGTON:
RUFUS H. DARBY, PRINTER.
1889.

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President of the Corporation.

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THE CHIEF JUSTICE OF THE SUPREME COURT OF THE UNITED STATES.
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DENTAL DEPARTMENT.

ANNUAL ANNOUNCEMENT

OF THE

SESSION OF 1889-1890.

The Regular Course of Lectures begins on Monday, October 7th, 1889, and continues until March 1st, 1890.

The Introductory Lecture of the Course will be delivered by Prof. H. B. NOBLE, D. D. S., on the 7th of October, and on the following day the regular Lectures will commence and continue throughout the session, beginning at 5.30 P. M. of each week-day.

The Faculty of the Dental Department of this University are fully convinced that less than three years of study and instruction will be insufficient to *properly* prepare any one for the practice of Dentistry in its present state of advancement, and therefore announce that in order to become eligible for graduation the student *must* attend three full courses of seven months each, held in different years, with such exceptions as are hereinafter stated.

The first-year course is devoted to the study of Anatomy, Physiology, Chemistry, and Materia Medica, and such Infirmary and Laboratory work as is suitable for first-year students.

During the second year there are added to these four subjects, Operative Dentistry and Prosthetic Dentistry.

The third year is devoted *exclusively* to Operative and Prosthetic Dentistry.

At the end of the second year the student may present himself for examination on Anatomy, Physiology, Chemistry, and Materia Medica.

At the end of the third year he is examined on Operative and Prosthetic Dentistry.

As, however, no amount of scientific attainment can compensate for lack of manipulative skill, a large part of the student's time is devoted to actual practice in the Infirmary, for which purpose the large and centrally located College building gives ample opportunities.

The operating-room fronts on one of the Government reservations, and thus has a full, unobstructed light, so desirable in dental operations. It is furnished *throughout with Morrison chairs*, and all necessary appliances that will enable a student to acquire the knowledge of office practice, as well as a diversity of Clinical experience.

A large, comfortable, and well-lighted dental laboratory is supplied with all the requirements for the successful practice of Prosthetic Dentistry, and lockers are available for the safe-keeping of instruments belonging to the students.

The extracting-room is separate from the others, and is fitted up for the proper administration of the various anæsthetics, under the immediate supervision of a demonstrator thoroughly skilled in their application.

The Infirmary is open every week-day for nine continuous months (being closed during the months of July, August, and September), during which time an abundance of Clinical material is readily available; in fact, fully as many patients present themselves as can possibly be attended to by the students.

The student has, therefore, the privilege of *twenty-seven months' actual practice* in the Infirmary, during which time he may become proficient in all those operations which the dental surgeon is ordinarily called upon to perform in office practice.

GENERAL SKETCH OF THE SEVERAL LECTURE COURSES.

PROSTHETIC DENTISTRY AND METALLURGY.

PROF. J. HALL LEWIS, D. D. S.

In this Department the principles involved in the construction of artificial substitutes will be exhaustively considered, and the lectures supplemented by practical demonstrations of the subjects mentioned.

In addition to the more commonly used vegetable bases for artificial teeth, the use of Gold, Silver, Platinum, and Fusible Alloys will be thoroughly taught, and Bridge-work, the construction of appliances for correcting Oral Irregularities, Inter-dental Splints for Fracture, etc., will be carefully considered.

The modes of preparation, properties, etc., of the Metals and Alloys of particular interest to the Dentist will receive special attention.

Professor LEWIS will endeavor to make his instruction thoroughly practical, and to prepare the student for the actual, every-day practice of Prosthetic Dentistry.

OPERATIVE DENTISTRY, DENTAL ANATOMY, AND PATHOLOGY.

PROF. HENRY C. THOMPSON, D. D. S.

This Course embraces Lectures on the Special Anatomy and Physiology of the Teeth. The origin, growth, and eruption

of the teeth receive minute attention, and will be illustrated as their importance demands.

The methods of treating, filling, extracting, and regulating teeth will not only receive attention in the lecture-room, but be demonstrated clinically, by gentlemen whose reputations are fully established as most proficient operators.

ORAL SURGERY.

PROF. J. FORD THOMPSON, M. D.

Prof. THOMPSON, of the Medical Department, will deliver a sufficient number of lectures upon Oral Surgery to render the student all the instruction upon this subject that may be necessary for Dental Practice.

CHEMISTRY.

PROF. EDWARD T. FRISTOE, LL. D.

The instruction of this Department embraces—

1st. A short discussion of the various branches of Physics, as Specific Gravity, Pneumatics, Heat, Light, Electricity, etc., so far as they relate to the Science of Chemistry.

2d. The principles of chemical philosophy, the laws of chemical combinations, and of chemical affinity in general.

3d. A discussion of the elementary bodies, both metallic and non-metallic; the best methods of preparing the various inorganic bodies, their properties and reactions, and the means of detecting their presence.

The principles of the science are abundantly illustrated by experiments.

PHYSIOLOGY.

PROF. WILLIAM LEE, M. D.

The Course of Lectures will consist of a full, clear, and practical exposition of Physiology, aided, as far as possible, by experiments, vivisections, and diagrams. The more fully to impress upon the memory of the student the important principles embraced in this valuable part of his curriculum, reviews will be held from time to time in the form of class examinations. The course will be confined strictly to Physiology, with a view to cover fully the whole ground occupied by this branch. Due attention will be paid by this Chair to the study, with the microscope, of Normal Histology.

MATERIA MEDICA AND THERAPEUTICS.

PROF. D. W. PRENTISS, A. M., M. D.

In the course of instruction pertaining to this Chair especial prominence will be given to the physiological action of medicines and their therapeutic uses.

The value of a knowledge of Pharmacy and of the Natural History and Chemical Relations of the Materia Medica is not

overlooked, but time does not admit of their being considered in great detail in the lecture-room. They are rather proper subjects for recess study.

It will be the endeavor of Prof. PRENTISS to make his instruction as practical as possible. The Lectures will be supplemented by working prescriptions and black-board illustrations, as occasion will admit.

From this Chair the student will be taught the use of the Metric System in Medicine and Dentistry.

ANATOMY.

PROF. D. KERFOOT SHUTE, A. B., M. D.

This Course of Lectures is arranged with the view of rendering the didactic instruction in Anatomy as full and complete as the limits of the session will allow.

The Lectures will be illustrated by frequent reference to recent dissections and numerous drawings and diagrams. The sciopticon will also be employed constantly to present photographic views of many regions of the body.

Public oral examinations are conducted by the Lecturer from time to time.

Dr. WILLIAM P. CARR, Prosecutor to the Chair of Anatomy, prepares the subject for the Lecturer.

Dr. A. C. ADAMS, Demonstrator of Anatomy, and his assistants, Drs. WALES and CUTHBERT, give their personal attention to the students in the dissecting-room.

PRACTICAL ANATOMY.

The dissecting-room of this College is large, thoroughly ventilated, well lighted, and furnished with every requisite for the convenience and comfort of the student. Anatomical material is abundantly supplied at a moderate price, only sufficient to cover the expense of procuring and preparing it. The room is open both during the day and at night until 11 P. M., or even later on some occasions. It is under the supervision of the Faculty and the immediate direction of the Demonstrator of Anatomy, who, with his assistants, is present *at stated hours* to give his personal attention to the students and properly instruct his classes in their dissections.

CLINICAL OPERATIONS.

One evening in each week a member of the Corps of Clinical Operators will lecture upon some subject of general interest in Dentistry, and upon the following Saturday, whenever admissible, will give in the Infirmary a practical demonstration of the subject mentioned.

Special attention is called to the fact that the members of the Clinical Corps take an *active* part in the College instruction.

each member going at least to three Lectures on special subjects during the Winter Course, besides holding Clinics at the Infirmary.

REQUIREMENTS FOR MATRICULATION AND GRADUATION.

1. *Matriculants* will be required to show, either by examination or by the exhibit of a diploma or certificate from some reputable literary institution, that they have received a good English education.

2. *Candidates for graduation* must have attended three full Courses of Lectures, each of five months' duration, and three courses of Clinical instruction in this institution, during the regular winter term and in separate years.

If, however, the candidate, before matriculation, shall have attended one Course of Lectures in some other reputable Dental College, or one or more Courses in some reputable Medical College, then he may enter the Second Class of this Institution, and thus become a candidate for graduation after two more years' study :

And also, if the candidate shall have attended two full Winter Courses in some other reputable Dental College, or if he be a graduate of a reputable Medical College and have had one year's Dental Instruction, then he may be eligible for examination after one full Course in this College.

The candidate must be examined upon all subjects taught in this School, and before the examination he must *perform operations upon the natural organs in the Infirmary* and present a well-constructed specimen of Dental mechanism *made by himself in the Dental Laboratory of the University*, which shall be afterwards deposited in the College Museum.

In addition to the above requirements, the moral character and habits of the candidate, his industry and diligent attendance, will be taken into consideration. Notable negligence, immorality, and habitual absence from the lectures will, it is distinctly understood, preclude the candidate from attaining his degree, even though he may have acquired sufficient technical knowledge to pass a creditable examination. The reservation on the part of the Faculty of the right to make good moral character a prerequisite for graduation must not be overlooked.

ADMISSION OF WOMEN.

The Board of Trustees of this University having authorized the admission of women to the Dental Department, they are now admitted to matriculation and graduation, subject to the same rules and with the same privileges in all respects as are accorded other students.

FEES, REGULATIONS, ETC.

Matriculation (payable once only).....	\$5.00
Full Course of Lectures on all Branches.....	90.00
Demonstrator of Anatomy.....	10.00
Single Tickets.....	15.00
Examination Fee (not returnable, but payable once only), Primary Branches.....	20.00
Examination Fee (not returnable, but payable once only), Final Branches.....	10.00
No Fee for Graduating Expenses.	

In conformity with the foregoing regulations the expenses for each of the three courses are as follows :

FIRST COURSE.

Matriculation.....	\$5.00
Four Primary Tickets.....	60.00
Demonstrator of Anatomy (Obligatory).....	10.00
Total.....	75.00

SECOND COURSE.

Four Primary Tickets.....	\$60.00
Two Final Tickets.....	30.00
Demonstrator of Anatomy (Optional, \$10.00).....	20.00
Examination Fee, Primary Branches.....	20.00
Total.....	110.00

THIRD COURSE.

Two Final Tickets.....	\$30.00
Examination Fee, Final Branches.....	10.00
Total	40.00

Graduates of other recognized Dental Colleges will be admitted on paying the matriculation fee and *fifty* dollars.

No charge will be made to matriculants for the courses of Practical Instruction in the Laboratory, on Physiology and Histology, nor for Clinical Lectures.

Payment of the fees is required in all cases, and tickets must be taken out at the commencement of the session, unless special arrangement be made with the Dean to suit the convenience of the student.

The degrees are conferred by the authority of the Columbian University, incorporated by act of Congress of the United States of America.

Students may matriculate at any time during the nine months' Infirmary Course, and thus begin Infirmary Practice at once.

The prices of board and all other personal expenses are as reasonable in Washington as in other large cities of the Union.

Students requiring further information are requested to communicate with the Dean of the Faculty.

A. F. A. KING, M. D., *Dean,*
726 13th street, N. W., Washington, D. C.
Telephone Call, 885.

LIBRARIES. ARMY MEDICAL MUSEUM, ETC.

The location of the University at the seat of the National Capital affords several striking advantages to the dental student. He has free access to the Libraries of Congress, of the Army Medical Museum, of the Smithsonian Institution, and of the Patent Office—all of which contain rare and costly works in every department of science and literature,

The Congressional Library contains copies of all the important dental works ever published, and the student has free access to these, for study or reference, on any week-day, from 9 to 3 o'clock.

The Army Medical Museum, situated on B street, corner Seventh street S. W., is also open for daily inspection, with its unrivalled collection of pathological specimens, illustrating the results of disease in every form. It also contains almost numberless crania of every human nationality, by an examination of which the student can find many dentures of theoretical perfection, and observe the effect of civilization and race admixture upon the dental organs.

Apart from these considerations, students from a distance have the opportunity of spending a winter profitably at the seat of the National Government during the session of Congress. The College lectures beginning at 5.30 in the evening, ample time is afforded during the term for visiting the public buildings, works of art, and other places of interest to a stranger. Prominent among these may be mentioned the new National Museum, established in connection with the Smithsonian Institution. Here may be seen fully classified collections illustrating the arts and industries of the country; and of special interest to the medical and dental student there is found in this Museum the most complete and best arranged collection of *Materia Medica* in the world. The drugs are shown in all their processes of manufacture, from the original package in which they are imported or marketed to the delicate alkaloid constituting the active principle.

Of great interest, also, are the Government Botanical Gardens and the Grounds of the Agricultural Department, where the student of botany may find a rare collection of medical plants, from which are derived many of the preparations of the *Materia Medica*.

At the United States Patent Office models of every conceivable form of dental instruments may be daily inspected, thus affording to the student an invaluable opportunity for studying the mechanical contrivances used in dental practice that is not to be obtained in any other city.

STUDENTS OF DENTISTRY.

FRANCIS B. BRIGHTWELL	District of Columbia.
STEPHEN B. CASSIN	District of Columbia.
WILLIAM L. CLARK	District of Columbia.
HENRY A. DONALDSON	District of Columbia.
JONATHAN R. HAGAN	District of Columbia.
JOHN K. HALLEY	District of Columbia.
EDITH JEWELL	Virginia.
JESSIE KAPPELER	England
WILLIAM D. MCFARLAND	District of Columbia.
CHARLES B. MUNSON	Virginia.
CHARLES M. O'LEARY	District of Columbia.
JOHN L. REID	District of Columbia.
THOS. W. STUBBLEFIELD	District of Columbia.

GRADUATES IN DENTISTRY IN 1889.

JOHN K. HALLEY	District of Columbia.
EDITH JEWELL	Virginia
CHAS. B. MUNSON	Virginia.

Text Books and Works of Reference.

ANATOMY—*Gray's Anatomy*,* *Quain's Anatomy*, Descriptive and Surgical; *Holden's Manual of Dissection*.

PHYSIOLOGY—*Landois'*, *Dalton's*, or *Flint's Physiology*; *Foster and Langley's Practical Physiology*; *Rutherford's Practical Histology*.

CHEMISTRY—*Mitchell's Dental Chemistry*, *Barker's* or *Fowne's Chemistry*.

MATERIA MEDICA—*H. C. Wood's Therapeutics*; *National Dispensatory*; *Edes' Therapeutics*.

PROSTHETIC DENTISTRY—*Richardson's Mechanical Dentistry*; *Wildman's Instructions in Vulcanite Work*; *Essig's Dental Metallurgy*.

OPERATIVE DENTISTRY—*Harris' Principles of Practice*; *Tomes' Dental Anatomy and Surgery*; *Taft's Operative Dentistry*; *Garretson's Oral Surgery*; *American System of Dentistry*—*Litch*; *Irregularities of Teeth*—*Talbot*.

*The works first named and in *italics* are preferred.

THE COLUMBIAN UNIVERSITY,

WASHINGTON. D. C.

JAMES C. WELLING, LL.D., *President of the University.*

Collegiate and Professional Instruction is given in the Columbian University in five departments: The COLUMBIAN COLLEGE, the NATIONAL MEDICAL COLLEGE, the SCHOOL OF DENTISTRY, the COLUMBIAN UNIVERSITY LAW SCHOOL, and the CORCORAN SCIENTIFIC SCHOOL.

The first of these comprises the usual College course in Languages (Ancient and Modern), Mathematics, the Physical Sciences, History, Mental, Moral, and Political Philosophy, with specific courses leading severally to the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Letters.

The National Medical College, the Medical Department of the University, comprises a full course of study in the Science and Art of Medicine, leading to the degree of Doctor in Medicine.

The Dental School comprises the course of study defined in this catalogue.

The Columbian University Law School has an undergraduate course of study in the elements of Law, leading to the degree of Bachelor of Laws, and a graduate course of study in Practice, leading to the degree of Master of Laws.

The Corcoran Scientific School comprises general courses of study, leading to the degrees, respectively, of Bachelor of Science and Civil Engineer, and a *special* course in Chemistry and Metallurgy, leading, with certain auxiliary studies, to the first-named of these degrees. The Chemical Laboratory, recently constructed, affords ample facilities for analytical work.

Besides the foregoing higher departments, the University has under its management a Preparatory School, in which students are prepared for College, for the Military School at West Point, or for the Naval Academy at Annapolis.

For further information, or for catalogues, address —

JAMES C. WELLING,
President, Etc.

THE COLUMBIAN UNIVERSITY.

PRESIDENT'S

ANNUAL REPORT

FOR THE

Year 1889-1890.

WASHINGTON:
GIBSON BROS., PRINTERS AND BOOKBINDERS.
1890.

THE COLUMBIAN UNIVERSITY.

PRESIDENT'S

ANNUAL REPORT

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1890.

PRESIDENT'S REPORT.

*To the Honorable and Reverend the Overseers
and Trustees of the Columbian University:*

I have the honor herewith to submit my report on the operations of the University in all its departments, during the scholastic year 1889-'90.

The aggregate number of students in attendance during the year has been 618—the largest in the history of the University. This aggregate number was distributed as follows: in the Preparatory School, 100; in the Columbian College, 54; in the Corcoran Scientific School, 113; in the Medical School, 128; in the School of Dentistry, 11; in the Law School, 212. It will be seen that, in the University proper, the number of our students has been 518, without counting the members of the Grammar School.

The Preparatory School has reached, on its rolls, the fixed limit of 100 pupils, but this number has not been constantly present during the whole session. The Principal and his assistants have brought a praiseworthy intelligence and fidelity to the discharge of their arduous duties. For particulars, as also for certain recommendations of the Principal, I respectfully refer you to his report in the Appendix. The Principal recommends that the salary of Prof. Hodgkins and of Prof. Lodge be raised to \$1,200 each. It is suggested that the increase be allowed in favor of these meritorious teachers, provided there shall be a sufficient increase in the income of the Preparatory School and College during the next year to sustain this slight additional expenditure. Each of these Professors labors alike in the Preparatory School and in the College. The small increase of salary asked in behalf of Mr. Stuart is in line with former precedents, as a just recognition of faithful and continuous service in the School.

The College proper rejoices in a considerable addition to the number of its pupils, due in large part to the presence of young

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women in its several classes. These young women have been remarkable for their diligence and success as students. Their presence in the class-room has been an inspiration alike to the Professors and to the other students. If the problem of co-education could be determined alone by the administration of the class-room instruction, the problem would be simple and its solution would be easy. But the watch-care of students of both sexes, in the intervals between recitation hours, raises a question of some difficulty in the prospect of a large addition to the number of our female students.

The reports of the Professors, giving an account of their faithful labors, will be found in the Appendix.

The Corcoran Scientific School has been largely attended during the year, but, as we have had to lament in former years, its students have mainly sought its instructions for the sake of a chosen specialty which leads to practical dexterity in some given calling, rather than for the sake of those confederated studies which lead to general scientific culture. This must continue to be the infirmity of the School so long as it lacks, in some departments, the indispensable apparatus of scientific study, and so long as it depends on the precarious co-operation of a corps of professors who receive nothing like an adequate compensation for their learned, laborious, and faithful services. Eminent professors are at our command, but, in the absence of endowments, we cannot long ask them to disregard almost entirely the scriptural maxim that "the laborer is worthy of his hire."

For report of the Dean, see the Appendix.

No Certificate of Proficiency, Diploma, or Degree is given in the Columbian College or in the Scientific School, except on the basis of merit as tested by stringent examinations. These examinations are conducted in writing. For the Certificates, Diplomas, and Degrees awarded in both these departments, I respectfully refer you to the Commencement bill of exercises. The Commencement of both was held in the hall of the University on the 11th instant.

The Medical College continues to grow in popularity and usefulness. It is difficult to speak in too high commendation of the learning and efficiency brought by its faithful corps of professors to the work of instruction in this department. The curriculum

of the School has been constantly enlarged and its conditions of graduation have been so raised as to place its degrees in the front rank of merit. The annual Commencement of the College was held on the 20th of March last, when twenty graduates received the degree of Doctor of Medicine.

The School of Dentistry is small in the number of its pupils. but here, too, the Professors have raised the standard of graduation by requiring a four years' course of study for the dental profession. Five graduates received the degree of Doctor of Dental Surgery at the March Commencement of the School.

Our Law School still maintains its pre-eminence in point of numbers among its sister schools in our University system. Second to no law school of the country in the dignity and learning of its Professors, it is second to none in the quality and thoroughness of its instructions. The burden of the instruction falls mainly on Professors COX and MAURY, and it could not fall on men more competent to bear it. But these learned jurists have been admirably reinforced during the last year by Mr. Justice HARLAN, of the Supreme Court of the United States. His lectures on the Jurisprudence of our Federal Polity have occupied a conspicuous place in the lecture courses of the year, and have won for him the gratitude and the admiration of all the students. With a remarkable talent for clearness of exposition, and with a magnetism of manner which places him in familiar accost with his classes, Mr. Justice HARLAN has made his lectures on the Constitution equally attractive and instructive, and he, on his part, has come to find pleasure in the labors of the Professor's chair. In evidence of this fact I have great satisfaction in reporting that he has kindly consented to multiply his hours of instruction during the next year, and to deliver a series of lectures on Public and Private International Law, in addition to his course on the Constitution. Accordingly, I have respectfully to recommend that Mr. Justice HARLAN be appointed Professor of Public and Private International Law, and that the title of his chair shall hereafter be as follows: the chair of "Constitutional Jurisprudence of the United States, and of Public and Private International Law." For this large addition to the duties of the chair I respectfully recommend that its emoluments be raised from \$500 to \$1,000 per annum.

Prof. HENRY E. DAVIS, A. M., LL. M., the learned Associate Professor in the School of Practice, has voluntarily added to his other duties that of Lecturer on the History of Law. For the duties of this post he is admirably fitted by his spirit of original research into the Origins of the English Common Law, and by the learning which keeps him abreast with the contributions made to this branch of historical study by the foremost legal scholars of England and our own country. This valuable service has thus far been rendered to the School without any compensation, but in view of the constant extension which Mr. DAVIS is giving to his favorite specialty, and of its value to the School, I ask that a small addition be made to the emoluments of his chair.

Prof. WORTHINGTON, a distinguished graduate of our School, has greatly enlarged his valuable course of lectures on Criminal Law and Procedure.

Your thanks are specially due to Mr. MATTINGLY for unrequited services rendered to the School by useful lectures delivered during the years of 1888-'89 on Practical Commercial Law. It is the hope of the students and of his colleagues in the Faculty that he will resume his lectures during the coming scholastic year.

The students of the Law School have exhibited during the last year a remarkable interest in the operations of the University. Voluntary associations have been formed for purposes of investigation in law, and a Debating Society has been established which held a public discussion, under the auspices of the University, on the 7th instant, in the Lecture Hall of the School.

I have pleasure in announcing that ALEXANDER T. BRITTON, Esq., a leading member of the Washington Bar, has pledged an annual prize of \$50. to be awarded in the School of Practice to the student passing the best examination for the degree of Master of Laws.

At the Commencement of the Law School, held on the 10th instant, 46 students received the degree of Bachelor of Laws, and 33 the degree of Master of Laws. The annual address to the graduating class was delivered by the Hon. JOHN G. CARLISLE, LL. D., of Kentucky, and the prizes were awarded by the Hon. J. C. BANCROFT DAVIS, LL. D., the official Reporter of the Supreme Court of the United States.

The Reading Room connected with the Library has been

supplied during the year with newspapers and periodicals for the benefit of students in all departments.

Two courses of public lectures, open without charge to the public of Washington, have been given during the year under the conduct of the College Faculty. In the first course two lectures in the German tongue were delivered, respectively, by Herr CLAUDY and by Herr Pastor ELTERICH; two lectures in the French tongue, by the Marquis de CHAMBRUN; and lectures in English by Professors HODGKINS, GORE, FRISTOE, and the President of the University. In the second course the lecturers were Prof. DAVID C. BELL, the Hon. GEO. S. BOUTWELL, Dr. L. R. KLEMM, of the U. S. Bureau of Education, and the Hon. JOHN M. GREGORY, LL. D. These lectures have been well attended, and their popularity has probably led to the establishment of similar courses in connection with the Catholic University, with Georgetown University, and with the Washington High School. My thanks are again due to Professor GORE for his kindness in assuming all administrative labor connected with the arrangements for these lecture courses, as also for his zeal in undertaking the general superintendence of the Library.

The College and Preparatory School are specially indebted to our colleague on the Board of Trustees, the Hon. GARDINER G. HUBBARD, LL. D., for interesting and instructive lectures on English and French History, as illustrated by rare and costly engravings. These lectures have served as an object-lesson in the history of the art of engraving while throwing cross-lights on great names in the annals of European civilization.

The Alumni Association of the University is now the largest organization of its kind in Washington. The banquet given in the month of April last was attended by more than a hundred guests, and the warmest interest was manifested in the prosperity and enlargement of the institution. Social meetings between professors and students have further helped to promote that *esprit de corps* on which Colleges and Universities thrive.

With the single exception of the Admiral Powell bequest, no substantial addition has been made to the endowment of the Columbian University since the small but solid foundation laid by our greatest benefactor, the late WILLIAM W. CORCORAN, in what is known as "the Corcoran Endowment Fund." That

Endowment Fund is less than a quarter of a million of dollars. It is no exaggeration to say that never before in the history of education has a work so large as ours been performed on a capital so small. It could be done nowhere else outside of Washington, and it has been done here only because of the opulent educational facilities offered, without money and without price, by the educational resources of the national capital. It has been done, too, because of the generosity with which eminent scholars are now serving the University almost without "money" at all, and certainly without the "price" attached to such high service in other communities. But we have reached the limit of this beneficence on the part of our teaching body, and we can hardly expect any signal additions to the number of our pupils until the number of our teachers in all departments shall be so enlarged as to bring the activities of the University into some correspondence with its unparalleled opportunities for educational work of the highest rank. Never before has the attention of the American people been so widely and so vividly drawn to Washington as a scientific and educational centre. The maximum of work performed by the Columbian University on its minimum of means has had its share in arresting this measure of public attention. The Washington air is filled to-day with "University projects," which are all so many tributes to the felicity of *our* position. It will be at once a source of shame and amazement if, in showing to others the Promised Land, we shall neglect to occupy and possess it for the cause of University education under Christian auspices.

The Columbian College was founded by its projectors with a distinct forecast of its national destiny and usefulness. The reasons avowed for founding it at Washington were published at the time. They were, that Washington was "national in its position;" that there was (in 1821) no seat of higher learning there, "under Protestant auspices;" and that such a seat of learning could come "into no competition or rivalry" with similar institutions in the States. Luther Rice, the foster-father of the Columbian College, projected as early as the year 1822 a scheme of University studies in connection with the institution. A member of our Board of Trustees, Prof. G. BROWN GOODE, Ph. D., the learned Director of the U. S. National Museum, has shown, in a paper read before the American Historical Association at its last

session in that city, that the founders of the Columbian College were co-workers with the men who laid the broad foundations of the present scientific activities of the Government of the United States. Every member of our University Board should ponder the lessons of that important paper, for others, we may be sure, are pondering them with care and attention.

In my last annual report I recited the steps which had been taken to bring the opportunities and the wants of the Columbian University to the notice of the Board of Managers of the American Baptist Education Society. It was then stated that, in response to representations made on this subject, the Board appointed a committee of five representative men to inquire into the surroundings of the University problem in Washington. That committee consisted of the Rev. FRANK M. ELLIS, D. D., of Baltimore, the Rev. GEORGE DANA BOARDMAN, D. D., LL. D., of Philadelphia, the Rev. H. L. MOREHOUSE, D. D., of New York City, the Rev. A. C. OSBORN, D. D., of Albion, N. Y., and Prof. W. R. HARPER, Ph. D., of Yale University. That Committee made a formal visit to Washington in pursuit of its instructions; inspected the appointments of our University building; verified some of the statements made concerning the educational facilities of the National Capital, and, finally, joined unanimously in a report which recapitulated under fifteen distinct heads certain salient features of the University, in connection with what the Committee described as the "unparalleled facilities" of Washington for educational work of the highest grade. This report was submitted to the Board of Management of the Education Society at a special meeting held in the city of New York, on the 2d of October, 1889. The report was then adopted, and, as a part of it, the following resolution was unanimously passed by the Board of Managers:

Resolved, In view of the foregoing facts concerning an institution already established, and of the unparalleled facilities offered in Washington for university studies, under the guidance of Christian instructors, your Committee, confident in the belief that its recommendation will not interfere with other educational enterprises, unhesitatingly expresses the opinion that the effort of the Trustees and Overseers of Columbian University to secure an adequate endowment of the institution should be, and is, commended to the favorable consideration of the Denomination."

At your meeting held in this city on the 18th of November last,

you authorized and directed an appeal to be made in pursuance of this endorsement of the Board of Managers, and the whole matter was placed in charge of a Committee empowered to take measures in this direction, in such manner and at such a time as they should judge to be expedient. It was understood at the time that no steps were to be taken in such a way as might cross or even *seem* to cross the effort of the Education Society to establish a great seat of learning at Chicago. On inquiry it was found by your Committee that the sum required to be raised for that purpose in order to secure the munificent proffer of Mr. JOHN D. ROCKEFELLER had not at that date been pledged. And hence it was that your Committee, in deference alike to your instructions and their own judgment, felt bound to stay their hands after sending a copy of your Appeal to a few well-known friends of the Columbian University. No public agitation of questions concerning its endowment has been attempted by your Committee.

But, in the meantime, friends of "the Columbian University enterprise" have risen up in many parts of the land. In my last report I reproduced the letters of many eminent men who had volunteered their adhesion to our movement. In this report I can find room for only a few of the many echoes which have subsequently come to me under this head. I could multiply the number, but I could not easily add to the weight of such testimonials as the following :

From John Pepper, M. D., LL. D., Provost of the University of Pennsylvania.

PHILADELPHIA, December 9, 1889

DEAR PRESIDENT WELLING: Indeed I am greatly indebted to you for your kindness in sending me a copy of your masterly exposition of the educational advantages of Washington. I am very glad to see the question of establishing a National University there being brought forward in so prominent a manner. I am confident that it will produce some definite result. I shall be much obliged to you if you will send me a copy of your last catalogue and of your charter.

Yours sincerely,

JOHN PEPPER.

From the Rev. Dr. Patton, President of Princeton College.

PRINCETON, N. J., February, 1890.

MY DEAR PRESIDENT WELLING: * * * I write now only to say that I most heartily wish you success in your endeavor to commend the pro-

ject of a National University to benevolent-minded men. I read your pamphlet with great interest, and felt greatly flattered to notice that you thought some words of mine worthy of a place in your pages.

I suppose it would be hard for a college president not to feel that his own institution is the one that should be made the rallying point of the national idea. This is the only qualifying clause that I would insert in any commendation that I should give to your plan, to wit: that I wish to see so much money for Princeton.

But I concede your geographical precedence, and the claims that are founded in the unique advantages of Washington—the more so in view of the recent establishment of the Catholic (Roman) University in the capital of the Nation. * * *

Very faithfully,

FRANCIS J. PATTON.

From the Hon. Stephen J. Field, LL. D., Associate Justice of the Supreme Court of the United States.

WASHINGTON, February 17, 1890.

DEAR MR. WELLING: * * * I have read with great interest the printed document you inclosed to me, directed to the "friends and benefactors of learning," in which you unfold the many advantages of Washington for a great university, and show what is necessary to enlarge the usefulness of the present Columbian University.

I not only give in my adhesion to your suggestions and plans, but approve of them most heartily, and anything that I can say or do to aid in carrying them out, shall be said or done with earnest good-will.

Very sincerely yours.

STEPHEN J. FIELD.

From the Rev. Dr. A. G. Lawson, Sec. of Board of Managers of Am. Baptist Education Society.

BOSTON, MASS., Feb. 26, 1890.

DEAR DR. WELLING: It will be a pleasure to do anything in my power for Columbian University. I believe most deeply that we ought to build upon the foundations already established, and earnestly hope that men of wealth may note the opportunity and prove themselves to be true "sons of Issachar."

Yours in truth.

ALBERT G. LAWSON.

From the Rev. Dr. Justin A. Smith, Editor of "The Standard," Chicago, Ill.

CHICAGO, March 1, 1890.

MY DEAR DR. WELLING: I am sorry to say that you have been misinformed in regard to the present status of our effort for raising the \$400,000 conditioning the offer of Mr. Rockefeller. We have still somewhat above

\$100,000 to raise, and are at that stage of the effort where results are slowest and least abundant. I do not see how *The Standard* can take up the Washington enterprise in the way you propose without peril of injury to this effort now on foot. We feel obliged to help the present undertaking all we can, till it shall be made a success, and shall then be prepared to advocate other claims.

We shall be glad to see you in Chicago, at the time of the anniversaries, and I should personally be glad of an opportunity to confer with you as to the ways in which I can best be of service to you in your educational plans. With sincerest respect and esteem

Yours truly,

J. A. SMITH.

From the Rev. Dr. A. C. Osborn.

ALBION, ORLEANS CO., N. Y., *April 25, 1890*

Dr. J. C. WELLING,

MY DEAR BROTHER: * * * I am watching with deepest interest every movement looking towards the larger endowment of the Columbian University. I hope, I trust, I *believe* that just as soon as the Chicago movement is out of the way, a united and successful effort may be made in behalf of Washington. * * *

Affectionately,

A. C. OSBORN.

*From the Rev. Edward Bright, D. D., Editor of "The Examiner,"
New York City.*

NEW YORK, *May 29, 1890*

MY DEAR DR. WELLING: * * * I don't know of anything among us Baptists that has more imperative need of being done than to make your university all that it ought to be. The thing needed is one man of large heart and means and warm appreciation, to take the lead to make Columbian College a well endowed university.

Very truly yours,

EDWARD BRIGHT

As the friends of the Columbian University had helped in the initiation of the "Chicago movement," and had given to that movement "the right of way," your committee did but obey your wishes in desisting from the agitation of the Columbian University enterprise, so soon as we were apprised that the Chicago undertaking had not as yet been lifted on the full "tide of successful experiment." It was as much our privilege as our duty to wait, for the success of "the Chicago movement" was fraught with promise to us, while disaster at Chicago would have brought dismay to our own aspirations. As it is, the splendid

success of the Chicago enterprise has strengthened every other legitimate educational enterprise of the Baptist denomination. It only remains for the friends of learning in that Denomination to discover what "unparalleled facilities" are offered here (for the taking) in the cause of highest science and culture. In so saying, I beg leave to repeat that the interest we seek to create in behalf of University learning at Washington should not be confined within denominational lines. It was frankly recognized at Chicago that a great seat of learning is pledged, by the very conditions of its greatness, to be unsectarian in its administration. If it be true that "he serves his party best who serves his country best," it is a still higher truth that "he serves his Church best who serves Christendom best." "The field is the world." for Christian learning as well as for Christian evangelization. We must learn to see and to say that there is no science (that is, that there is no *true* science), which is "common or unclean," and therefore it is that the whole hierarchy of the sciences, physical, intellectual, moral, and spiritual, must be admitted into the Christian fold; not, indeed, with equal rights of dignity, but with full rights of citizenship in the commonwealth of learning. Because the universe is one, all knowledge of the universe must turn more and more to unity. It is because "the sciences are sociable" that I wish to see them housed, as many as possible, under the roof of the Columbian University.

As no university, not even the greatest, can aspire to domesticate them all, I hope that we may at least open our doors to the sciences which stand nearest to us, and which have, therefore, the strongest claim on our hospitality. It is high time that our Law School, admitted to be among the first in the land, should begin to bear the flower and fruit of University studies, in the full and true sense of those words. We were the first to establish a School of Practice. Let us now be the first to establish a School of Jurisprudence, in which the law of the civilized world shall be taught as a history and as a philosophy, from the first rude germs of the clan stage of human government up to the highest evolutions of that international law which to-day sits supreme above all politics and all conventions of men, and which, by its moral sovereignty, is perpetually moving forward the boundaries of truth and righteousness in the relations of States. In such a School the

codes of particular nations would pass under review only so far as they marked the successive stages of human progress, and only so far as each has contributed its rays to what Lord Coke calls "the gladsome light of jurisprudence." The Civil Law of Rome, for instance, would be taught in its origin under the early kings; in its progress from the kings to the 12 Tables; from the 12 Tables to Augustus; from Augustus to Constantine; from Constantine to Justinian, and from Justinian to the present time. But it would be expounded as a philosophy teaching by example, and not as a barren erudition or as a branch of curious and antiquarian learning. In such a School we should not be called to do over again the uncritical work of Heineccius and Gravina, even for the sake of tracking Gibbon to the insufficient sources from which he drew the materials for his remarkable Chapter on the Civil Law. In such a School the Common Law of England would be studied in its primitive sources—the sources which, in giving to it color and direction, have determined for us its true significance and its true interpretation. If so simple a story as the Parable of the Prodigal Son is found to contain four distinct references to the sociology of primitive times, it need not surprise us that the codes of the world should swarm with survivals from the early stages of primeval law. Anthropological science, by its comparative method, is transforming the explication of primitive law, and, therefore, is transforming the history of law as an evolution of the human race. And in such a School the international law of the civilized world would be taught, not only as a body of doctrine and of acquired facts, but pre-eminently as a spirit working for righteousness in the intercourse of nations, and, therefore, working above and beyond the boundaries already reached by the foremost nations of Christendom. That is, the science of jurisprudence would become prophetic of the next things to be hoped for and labored for in legislation and in international law, because it would mark the points of the curve through which the nations are moving to-day. An association of learned jurists, composing the "Institute of International Law and of Comparative Legislation" is working on these lines at the present time. It is the singular glory of our Law School that it has counted among its former Professors two illustrious jurisconsults who, while living, were members of this Institute. I refer to the late

WILLIAM BEACH LAWRENCE, LL. D., and the late FRANCIS WHARTON, LL. D. These great publicists expounded the rules of law along the lines of reason and of philosophy, and hence it was that they made their lectures, even in the undergraduate course, an inspiration to all that is highest and best in the expanding realm of civil jurisprudence. We need a Law School in which such teachers shall find their "fit audience, though few." The pupils in such a School might not be many, but their studies would prepare them for the higher walks of the legal profession. The University of Leyden has abundantly vindicated its right to exist by producing a Grotius, even if it had never contributed another ornament and guide to the civilized world.

We are also called, by our opportunities, to establish a School of Political and Social Science, as a part of our University system. Such a School was projected more than six years ago, and was then delineated in an imperfect outline sketch. I need not enlarge on its importance, or on the peculiar facilities offered to us for the work of instruction in such studies. Sociology is a young science, but it yields to none in its interest and in its vast significance to our living age. It would be easy to show that scientific studies in social order and in civil administration are the indispensable prelude to scientific studies in political economy.

In like manner it would be easy to show that University studies, properly so called, are the indispensable crown and complement of all knowledge which has the principle of growth lodged in it, and, therefore, are the indispensable crown and complement of all educational work which aims to take the highest place in an advancing civilization. The knowledge of to-day is not only a heritage from the past, but also a complex of progressional forces in the present, having the "promise and potency" of boundless attainments in the future. To renounce our hold on these progressional forces is to renounce for ourselves a high place alike in the educational and in the Christian world.

In view of the foregoing considerations, I respectfully recommend that a special meeting of the Corporation be held in the month of October next, for the purpose of concerting the measures which shall then be deemed necessary to place the claims and advantages of the Columbian University most effectively before the Baptist Denomination, and before the friends of liberal learning without distinction of creed.

I further recommend that special Committees of the Corporation be appointed to project the lines along which the University may most expediently advance in the direction of University studies, strictly so called ; and that such Committees make report to the Corporation at the meeting which may be called in October next. In this way it can be made distinctly to appear that our University is not building castles in the air, and that it can the more confidently appeal to the beneficence of its friends because it is working in the solid ground of present fact and of demonstrable opportunity.

All which is respectfully submitted.

JAMES C. WELLING,

President.

THE COLUMBIAN UNIVERSITY,

June 12, 1890.

APPENDIX.

THE COLUMBIAN COLLEGE.

THE SCHOOL OF ENGLISH.

WASHINGTON, June 3, 1890.

To JAMES C. WELLING, LL. D.,

President of the Columbian University:

The following brief statement will indicate what the different college classes have been doing during the present session of 1889-'90 in the School of English.

The Freshman Class

The members of this class have had *two* recitations a week in Rhetoric, and *one* a week in History (American and English).

They have also had periodical instruction in Essay-Writing and in Elocution, as well as constant familiar instruction in English Etymology.

The Sophomore Class.

The members of this class have had, during the First Term, *two* recitations a week in English Literature; during the Second Term, *two* recitations a week in Deductive Logic; and during the entire session, *one* recitation a week in elementary and advanced Anglo-Saxon, and *one* a week in critical reading of eight or ten of the best of Shakespeare's dramas. They have also had periodic instruction in Essay-Writing, and in Elocution, as well as in Dissertation—that is, a careful preparation of suitable literary material put into extemporized language.

The Junior Class.

The members of this class have had, during the First Term, *two* recitations a week in Inductive Logic; and *two* a week in critical study of representative English prose writers; and during the Second Term, *two* recitations a week in the History of Civilization, and *two* a week in critical readings of contemporaneous literature, as well as exercises in Essay-Writing and Dissertations.

The Senior Class

Two new studies have been added during the present session for the benefit of the Senior Class. During the First Term, the members of this class have had a pretty thorough course in Modern History, the text-book used being Mackenzie's History of the Nineteenth Century, occupying *one* hour a week. During the Second Term, the members of the class have had critical readings in the Colonial and Revolutionary literature of America, as well as in the Literature of the Republic, the class having read some of the best selections contained in the ten volumes of Stedman's "Library of American Literature." *One* hour a week was given to these readings.

I have also given *two* recitations a week in elementary Rhetoric in the Preparatory School.

I have also given *eight* hours' instruction a week in the Corcoran Scientific School during the session.

Respectfully submitted.

SAMUEL M. SHUTE.

Professor of English Language and Literature.

SCHOOL OF GREEK.

WASHINGTON, June 5, 1890.

JAMES C. WELLING, LL. D.,

President Columbian University.

DEAR SIR: Allow me to present to you, and, through you, to the Board of Overseers and Trustees, a brief report of my work as Professor of Greek in the Columbian College for the year now ending.

In the senior class I have had but *one* student: in the junior, *eight*; in the sophomore, *five*; in the freshman, *eight*; and in the preparatory school, *eight*.

To relieve Prof. Montague, I have also given instruction to the senior class in Latin.

This class has had but one recitation a week, and has read portions of the 10th and 12th books of Quintilian.

In the department of Greek, the senior class has read carefully Plato's Apology of Socrates, but, having had but one recitation a week, has done but little in addition to this.

The junior class have had three recitations a week: have studied the entire *Oedipus Tyrannus* of Sophocles, the *Alcestis* of Euripides, a large part of Demosthenes' Oration on the Crown, and have read, at sight, selections from the dialogues of Lucian.

The sophomore class have studied parts of the *Memorabilia* of Xenophon, and also the entire *Panegyricus* of Isocrates.

The Freshmen class have studied three books of Homer's *Iliad*, parts of Herodotus, and have read other selections from Herodotus, at sight. They have also studied Boise's Exercises in Greek Syntax, and parts of Smith's History of Ancient Greece.

The preparatory class have studied the first two books of Homer's *Iliad* and a large part of Jones' Exercises in Greek Syntax.

To the junior class I have given several written lectures on Greek Literature.

The junior, sophomore, and freshman classes have had exercises in Greek Prose Composition; and almost daily work has been assigned them in the study of the grammar and principles of the Greek language.

A. J. HUNTINGTON.

SCHOOL OF LATIN.

THE COLUMBIAN UNIVERSITY, June 2, 1890.

TO PRESIDENT WELLING:

I have the honor to submit the following report of work done in my classes during the session of 1889-90.

1. In the Junior Latin Class:

1. Latin Grammar, with Lectures.

2. Roman History and Literature; papers and other original work of students under my direction.

3. Weekly Exercises, English into Latin.

4. Occasional exercise of the professor translating the text, sentence by sentence, and having the students render again into Latin without reference to book.

5. Sight reading in all authors read, in addition to lessons prepared, especially in *Cicero DE REPUBLICA*.

6. Regular Authors: *Seneca* in part; *Tacitus*, THE AGRICOLA; *Juvenal* (in part); and *Quintus Curtius*, 80 pp. (parallel).

II. In the Sophomore Latin Class:

1. Latin Grammar, with Lectures.

2. Weekly exercises, English into Latin.

3. Occasional exercises, as in No. 4 of Junior.

4. Sight Reading in all authors read, in additions to lessons prepared, especially in *Cicero DE SENECTUTE* (entire).

5. Parallel Reading: *Cicero DE AMICITIA* (entire).

6. Regular Authors: *Horace* (parts of *Satires*, *Epistles*, all of *ARS POETICA*; *Tacitus*, all of the *GERMANIA* and nearly all of the *AGRICOLA*).

III. In the Freshman Latin Class:

1. Latin Grammar, with Lectures.

2. Weekly exercises, English into Latin.

3. Occasional exercises, as in No. 4 of Junior.

4. Sight reading in all authors read, especially in *Livy*.

5. Regular Authors: *Ovid*, 5 books; *Livy*, 70 pp.; *Horace*, 31 Odes.

As instructor in the Preparatory School.

IV. The First Preparatory Latin Class:

1. Latin Grammar.

2. Weekly exercises, English into Latin.

3. Regular Authors: *Virgil*, 3 books; *Cicero*, 6. Orations. *Ovid*, 600 lines; sight reading.

V. First Preparatory. English Grammar, to analysis, with essay; and examination in Rhetoric.

VI. Second Preparatory Class. Reading: History of Germany.

VII. First and Second Preparatory Class. Spelling.

VIII. Third Preparatory Class. Reading and Spelling.

IX. Fourth Preparatory Class. Reading and Spelling.

X. School Declamation.

SCHEDULE OF HOURS ENGAGED.

	Hours.
I. Junior Latin class, per week.	3
II. Sophomore Latin class, per week.	3
III. Freshman Latin class, per week.	3
IV. First Preparatory Latin class, per week.	4
V. First Preparatory English Grammar, spelling of first and second classes, and extra time in First Latin.	2
VI. Second Preparatory reading class, per week.	1
VII. Third class, reading and spelling, per week.	1
VIII. Fourth class, reading and spelling, per week.	1
IX. School declamation, per week.	1
Total number of hours per week in teaching.	19
Supervision of study and of teaching.	8
	27

In addition to the above time, I am occupied daily from $\frac{3}{4}$ of an hour to $1\frac{1}{4}$ hours in matters of discipline after school, about 5 hours per week, which time, added to the above 27 hours, gives about 32 per week during

which I am on duty. Preparation of reports and letters to parents not included in the above estimate.

Very respectfully,

A. P. MONTAGUE
Professor of Latin

SCHOOLS OF GERMAN AND MATHEMATICS.

WASHINGTON, *June 5, 1890.*

President WELLING.

DEAR SIR: I have the honor to submit the following report of work done during the scholastic year ending June 11, 1890, in the schools of German and Mathematics:

In German: The Freshman Class passed twice through Sheldon's Grammar (84 pages), and read "Bilderbuch ohne Bilder" (55 pages), and "Das kalte Herz" (65 pages).

The Sophomore Class studied Joynes-Meissner's Grammar (219 pages), and read "Das kalte Herz" (65 pages), "Der Neffe als Onkel" (70 pages), "Immensee" (34 pages), "Brigitta" (235 pages), and "Geier-Wally" (40 pages).

The Junior Class, studied Otto's Grammar (430 pages), and read, "Wilhelm Tell" (110 pages), "Joseph und Benjamin" (52 pages), "Das Kind" (47 pages), "Am todten See" (55 pages).

Each class has had two recitations a week, and during a portion of the year an extra hour was given the Freshman Class.

Number of students studying German, 37.

In Mathematics: The Freshman Class, taught by Professor Hodgkins, Newcomb's Geometry (260 pages), and Wentworth's Complete Algebra (200 pages), four hours a week throughout the year.

The Sophomore Class: Wells' Trigonometry (206 pages), Wentworth's Analytic Geometry (212 pages), three hours a week throughout the year.

The Junior Class: Taylor's Differential and Integral Calculus (225 pages), Young's Astronomy (taught by Professor Hodgkins), four hours a week throughout the year.

The Senior Class: Smith's Mechanics (307 pages), Newcomb's Theory of Equations (40 pages), Determinants (99 pages). Two recitations a week throughout the year. The three lower classes reviewed each subject, and had their text-book work supplemented by original problems.

Number of students, 42.

Total number of hours per week engaged in actual teaching, fourteen.

Very respectfully,

I. HOWARD GORE,
*Professor of Mathematics,
Acting Professor of German*

SCHOOL OF FRENCH.

WASHINGTON, D. C., *June 2, 1890.*

JAMES C. WELLING, LL. D.,

President of the Columbian University.

DEAR SIR: I beg leave to submit the following report of the work done during the past year in the Department of French:

I. The students of the First Class of the Preparatory School have studied pronunciation; mastered the fundamental principles of the language as presented in the first 115 pages of Joynes's Otto's French Grammar; translated twenty-five exercises into French; and read Super's "French Reader" and Souvestre's "Le Mari de Madame de Solange."

a total of 215 pages. I am striving to make the work of this class meet the requirements for admission to college in elementary French, which were proposed by the Modern Language Association at their meeting in December, 1889. Three hours a week.

II. The Freshman Class in College studied 103 pages of Keetels's Collegiate Course; wrote 17 exercises; and read Fontaine's "Historiettes Modernes" and 210 pages of "Le Conscriit," a total of 325 pages. The fine record of this class is unprecedented. Two hours a week.

III. The Sophomore Class studied 140 pages of Sauveur's Grammaire Française, reciting in French; translated at the blackboard extemporaneously many long and idiomatic exercises into French; and read Lacombe's "Petite Histoire," "L'Amie," "Esther," and "Mlle. de la Seiglière," a total of 422 pages. Two hours a week.

IV. The Junior Class studied 37 pages of Keetels's rules of syntax; wrote 25 long exercises; and read "Cinna," "La Poudre Aux Yeux," "La Bataille de Dames," "Bug-Jargal," and the first sixty-five pages of "Les Trois Mousquetaires" (Sumichrast's expurgated edition), a total of 158 pages. Irregular verbs were also thoroughly studied. Two hours a week.

V. The Senior Class read "Ruy Blas" and "Bug-Jargal" as parallel, a total of 285 pages.

To prepare students for the practical use of the language as much time as possible has been devoted to *oral French*. Drills in pronunciation, numerous dictations, and many enjoyable exercises in French conversation have been the means employed to accomplish this end. A large amount of sight reading has been done with the happiest results. Comparative philology has been taught inductively and incidentally. I can truly say that the students have been enthusiastic in their work. This may be seen from the fact that a decided majority of them met with me for an hour every Tuesday for more than two months of the second term, in order to engage in more extended oral, grammatical, and literary work. In this Seminary we read "Le Voyage de M. Perrichon" (78 pages). Total number of pages read in the Department of French, 1,783.

Besides the above work, I have spent 11 hours in teaching Latin and 1 hour in Ancient History per week in the Preparatory School, making a total of 21 hours per week, which was increased to 22 hours while the Seminary met.

Very respectfully

LEE DAVIS LODGE.

SCHOOL OF NATURAL SCIENCE.

COLUMBIAN UNIVERSITY.
WASHINGTON, D. C., June 3, 1890.

President J. C. WELLING, LL. D.

DEAR SIR: I have the honor to state that the following courses of study have been pursued in the School of Natural Science during the session 1889-'90.

There are *four* classes in this Department.

I. Senior (highest) consisting of laboratory practice and chemical analysis. Time, 4 hours per week. Owing to a change in the order of studies there were only 3 students this year in the class.

II. Junior class, Physics, embracing the study of Laws of Matter, Pneumatics, Hydrostatics, Acoustics, Heat, Light, and the various branches of Electricity. Time, 2 hours per week. Number of students, 9.

III. Sophomore class, Theoretical Chemistry, embracing lectures and recitations on General Chemistry, both Inorganic and Organic. Time, 5 hours per week. Number of students in class, 15.

IV. Freshman class, Natural History, embracing outlines of Study in Physiology, Anatomy, Zoölogy, Botany, and Geology. Time, 2 hours per week. Number of students in class, 24. Whole number of students in the School, counting none twice, is 49. Whole number of hours engaged in recitation, 13.

I also spent 2 hours per week, from November 1st to February 1st, in private work, assisting students who were behind their classes.

In addition to the above hours it requires about 7 hours per week arranging apparatus and experiments for the above classes.

Most respectfully.

E. T. FRISTOE.

SCHOOL OF MATHEMATICS.

WASHINGTON D. C., June 5, 1890.

Dr. JAMES C. WELLING.

President of the Columbian University.

DEAR SIR: I have the honor to submit to you the following brief statement of my work as adjunct professor during the past year.

In the Preparatory School I have taught the third class in arithmetic; the second class in arithmetic and algebra, and the first class in algebra, geometry, and physics; a total of fourteen hours a week, during ten of which I have been in charge of the school, while Professor Montague has been at the college instructing his Latin classes there, or attending to some of the many details of the school work. The Preparatory classes in my charge have accomplished a little more than the usual amount of work.

In the college, I have taught the freshman class four hours a week, completing the study of geometry and algebra, and closing with some lectures on the history of mathematics. I have also taught astronomy to the junior class, one hour a week, and, considering the limited time allowed for the subject, the class has made remarkable progress. About 450 pages of Young's General Astronomy have been studied, and this has been supplemented by visits to the Coast Survey and to the Naval Observatory.

Total number of hours of class-room work, 19 per week.

Respectfully submitted.

H. L. HODGKINS.

Adjunct Professor of Mathematics.

REPORT OF DEAN OF THE CORCORAN SCIENTIFIC SCHOOL.

COLUMBIAN UNIVERSITY,

WASHINGTON, D. C., June 2, 1890.

President J. C. WELLING, LL. D.

DEAR SIR: I have the honor to report that the following work has been done in the Corcoran Scientific School during session 1889-'90:

Whole number of students enrolled, 113; a large number of whom were students of specialties.

The following professors have been engaged in the several departments during the year:

I. English: Prof. S. M. Shute. 3 classes. Time, 8 hours per week. Number of students, 28.

II. Mathematics, including Algebra, Geometry, Trigonometry, Analytical Geometry, and Calculus: Prof. H. L. Hodgkins. Three classes. Time, 10 hours per week. Number of students, 61.

III. French: Prof. L. D. Lodge. Three classes. 6 lectures per week. Number of students, 12.

IV. German: Prof. J. Mueller. Three classes. 6 lectures per week. Number of students, 19.

V. Mineralogy: Prof. Yeates. Embracing a lecture course, and also one in blow pipe analysis. Two classes. Time, 6 to 8 hours per week. Number of students, 5.

VI. Physics: Prof. R. W. Prentiss, instructor. Owing to the instructor's continued ill-health during the year the duties of this School were performed by Prof. Fristoe. This department embraces studies in Elementary Mechanics, Pneumatics, Hydrostatics, Heat, Light, Acoustics, and the various branches of Electricity; about half the year being given to the last subject. One class. Time, 2 hours per week. Number of students, 12.

VII. Civil Engineering, embracing studies in Mechanics. Descriptive Geometry, Graphic Statics, Theory of Instruments, Surveying Roads, Railroads, Canals, Rivers and Harbors, Strength of Materials, Engineering Plant, Masonry, Bridges, Tunnels, Iron Constructions, Building Materials, Specifications, and Designing. Prof. Fava. Three classes. Lectures, 13 hours per week. Designing 21 hours per week for the students.

VIII. Drawing, embracing Mechanical, Topographical and Architectural Drawing. Prof. Wansleben. Three classes. Time, 3 hours per week. Number of students, 31. More than one class draw during the same hour.

IX. Chemistry: Prof. Fristoe. Three classes.

1. Theoretical Chemistry, Inorganic and Organic. Three lectures per week.

2. Qualitative Analysis and Laboratory Practice. About 12 hours per week for 8 months.

3. Quantitative Analysis, embracing Gravimetric and Volumetric Methods, for Acids and Bases, Analysis of Gases, all classes of Minerals, Commercial Organic Products, as Flour, Butter, Milk, Sugar, Oleomargarine, as well as Assaying and the processes of extracting Metals from their ores. Time, about 15 hours per week. Whole number of students, 29.

Most respectfully,

E. T. FRISTOE,

Dean.

REPORT OF PRINCIPAL OF PREPARATORY SCHOOL.

THE PREPARATORY SCHOOL, June 2, 1890.

To President WELLING.

I have the honor to submit the following report for the Preparatory School for the session of 1889-'90:

Number of Students.

One hundred (100) students have been enrolled during the present session, and eighty-four (84) were in attendance during the closing week of recitations. These figures show a gain of 10 over last session, and an attendance at the close far ahead of the record for some years.

Order and Discipline.

The order and discipline of the School have, in the main, been excellent. Two cases of disorder arose, but they were satisfactorily arranged.

Scholarship.

There were no applicants for Powell Scholarships. I would recommend that, when a student is admitted to a scholarship (General or Powell) in a lower class, he be continued in it until graduation, provided his standing in studies and conduct be satisfactory.

Proposed Increase of Lessons.

The work done in the classes has, upon the whole, been satisfactory; but it is *absolutely necessary* that there be more frequent lessons in certain branches, *s.c.*: Reading, Spelling, English Grammar, Writing, Geography, and History. To met this need, to which patrons have in no uncertain manner called my attention, I would suggest the appointment of a regular instructor for next session. I would also recommend that we have *two* writing lessons a week instead of *one*, as now. To meet the call for instruction in Elocution, I suggest that Mr E. C. Townsend be employed to teach the entire School, and that he be paid by a special assessment of \$1.50 (or \$2) per pupil. I am willing to collect this assessment. I should, of course, have charge of *the order* during these lessons.

Repairs.

Certain repairs in the building are needed. A special schedule of these will be furnished, if desired.

Salaries.

I would recommend that the salaries of Messrs. Hodgkins and Lodge be raised to \$1,200; that Mr. Stuart be paid \$500.

The Principalship.

I would further recommend that, as soon as the income of the University shall justify it, a Principal of the Preparatory School be chosen, who shall confine his work entirely to the school, and shall not be expected to spend many hours in teaching, but who may give the greater part of his time to the general upbuilding and development of the school, which, under a competent head, with the duties of his place as just defined, would, I believe, become in a few years the great fitting school of the Middle States.

Very respectfully,

A. P. MONTAGUE,
Principal.

TREASURER'S REPORT

ON THE

PROPERTY AND FINANCES

OF THE

COLUMBIAN UNIVERSITY,

FOR THE

YEAR ENDING MAY 31. 1890.

WASHINGTON, D. C.:
JUDD & DETWEILER, PRINTERS.

1890

ANNUAL REPORT OF THE TREASURER.

To the Overseers and Trustees of the Columbian University:

GENTLEMEN: Herewith I submit my Annual Report, covering the financial operations of the University during the fiscal year ending May 31, 1890.

Schedule "A" is a Detailed Statement of Receipts and Disbursements.

- " "B," Statement of Liabilities.
- " "C," Investments of the Scholarships.
- " "D," Investments of the Corcoran Endowment.
- " "E," Miscellaneous Investments.
- " "F," Statement of Assessed Value of Real Estate.
- " "G," Table of Insurance.

Appended to the report is a detailed statement of the financial operations of the Medical and Dental Departments of the Columbian University from March 22d, 1889, to March 20th, 1890.

All of which is respectfully submitted.

ROBERT C. FOX,
Secretary and Treasurer.

WASHINGTON, D. C., June 2, 1890.

SCHEDULE "A."

Detailed Statement of Receipts and Disbursements.

GENERAL FUND.

RECEIPTS:

Rents: Admiral Powell property, Mr. A. C. Tyler--	\$1,200 00
222 Third street, N. W., Mrs. C. B. Cutler --	600 00
Lot 1, square S. of 12, Mr. L. A. Littlefield--	150 00

Stables in rear of Medical College:

R. L. Cooper	\$20 00
Wm. E. Chaffee	40 00
	<hr/> 60 00

Law Building:

Frank T. Browning	195 00
Henry Wise Garnett	350 00
R. B. Lewis	120 00
W. H. Smith	96 00
Enoch Totten	360 00
A. E. L. Keese	63 00
B. U. Keyser	18 00
W. V. R. Berry	200 00
Thomas D. Reed	10 00
	<hr/> 1,412 00

Interest on real estate notes	\$3,422 00
	<hr/> 3,969 50

Interest on Corcoran Endowment Fund notes:

Medical Faculty	\$500 00
Robert W. Fenwick	60 23
	<hr/> 560 23

Interest on loan to Medical Faculty for payment of taxes on

Medical Building	87 50
Quinsigamond Bank dividends	25 00
Pennsylvania Telephone Company dividends	24 00

Interest on bonds:

United States four, per cents	\$388 00
District of Columbia 3-65's	844 91
Cincinnati Municipal	2,263 00
Burlington and Missouri River R. R.	140 00
	<hr/>

Carried forward	\$3,135 91	\$8,088 23
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Brought forward	\$3,135 91	\$8,088 23
Warsaw	12 00	
Cosmos Club	25 00	
Church of the Covenant	220 00	
		3,392 91
Prep. Students, towards rent of National Theatre for Prep. School Exhibition		25 00
Discount from Riggs & Co., August 31, 1889, four per cent., to meet salaries of faculty		2,500 00
[Deposited as collateral \$2,100 D. C. 3-65 coupon bonds—Miscellaneous Securities.]		
Medical Faculty, first note of loan of \$2,000 to pay arrears of taxes (paid Riggs & Co. on account of discounted note)		500 00
		<u>\$14,506 14</u>

DISBURSEMENTS.

Dr. balance per last report		\$30 61
Salaries:		
James C. Welling, LL.D., President, in full to May 31, 1890	\$3,000 00	
Allowance for house rent, in full to May 31, 1890	1,000 00	
		\$4,000 00
Robert C. Fox, Secretary and Treasurer, in full to May 31, 1890		1,000 00
George L. Wilkinson, Registrar and Librarian, in full to September 30, 1889		240 00
John G. Urquhart, Registrar and Librarian, in full to May 31, 1890		480 00
		<u>5,720 00</u>
Janitors' Wages:		
Walter L. Lewis, in full to May 31, 1890	333 00	
Rickson T. Harris, in full to May 31, 1890	309 17	
Frank Beckett, in full to May 31, 1890	360 00	
Frank Butler, in full to March 31, 1890	300 00	
Walter Honesty, in full to May 31, 1890	74 00	
		<u>1,376 17</u>
		<u>7,096 17</u>
Carried forward		\$7,126 78

Brought forward \$7,126 78

MISCELLANEOUS.

Repairs and Materials.

University Building :

Roginski and Lewis, glazing	\$4 60	
Chas. Rittershofer, repairing locks and fitting keys	7 50	
Geo. Veihmann & Son, repairing tile land- ings	18 00	
Johnson and Morris, repairs to heating ap- paratus	63 70	
Z. W. Rhodes, door spring, locks, &c.	9 95	
Kane and Roache, plumbing repairs	54 73	
E. F. Brooks, new gas fixtures for law lecture platform, &c.	29 76	
		\$188 24

Preparatory School Building :

John Mitchell, clearing sewer	7 50	
Johnson and Morris, repairs to heating ap- paratus	62 59	
George Fritsch, repairs to slate roof	13 70	
Geo. W. Lyles, repairs to tin roof	2 00	
C. Schneider, new gong bell	7 00	
Roginski & Lewis, glazing	9 00	
Z. W. Rhodes, repairs to fence, water- closet, &c.	4 86	
		106 65

Law building :

W. C. Morrison, balance for repairs and alterations	211 36	
Wm. A. Tenly, rebuilding walls, resurfac- ing areaways, and relaying pavements ..	155 00	
Taking down wall, removing rubbish, &c.	31 70	
J. T. Ferry, repairing walls	23 50	
H. L. Gettier, repairs to gutters and spout- ing	8 00	
Roginski & Lewis, new transom, lettering, and numbering	15 00	
P. Hanson Hiss Manufacturing Co., paper- ing halls and office rooms	127 10	
George Fritsch, repairs to slate roof	70 50	

Carried forward..... \$642 22 \$294 80 \$7,126 78

Brought forward	\$642 22	\$204 89	\$7,126 78
James Lockhead, plumbing repairs	185 00		
Z. W. Rhodes, lock and keys	2 75		
Holton and Leland, painting north wall..	100 00		
		879 97	

1,174 86

Insurance:

University Building	100 00
Furniture, &c., University Building	25 00
Preparatory School	30 00
Law Building	24 00
Cutler House, 222 Third street N. W.	15 00
Admiral Powell property, 1707 I Street, N. W.	18 75

212 75

Water rents:

University Building	150 50
Preparatory School	41 50
Law Building	26 00

218 00

Taxes:

Second half tax for 1889 on lots in square south of 12, 13, 16, 23, west of 23, 83, 87, 88, and 89, with penalty	96 53
All tax for 1890, same lots	289 20
Second half tax for 1889 on lots sub C and of sub D, square 126 (Powell property), with penalty	169 74
All tax for 1890, same property	334 35
Second half tax for 1889 on lot 14 and south half 13, square 489 (Law Building), with penalty	131 00
All tax for 1890, same property	312 06
Second half tax for 1889 on lot 6 and of sub 1, square 250 (stables in rear of Medical College), with penalty	83 67
First half tax for 1890, same property	83 01
All personal tax for year ending June 30, 1890	24 00

1,424 16

Gas:

University Building	490 00
Law Building	84 00
	574 00
Fuel, John T. Given	837 25
Ice	24 50

Carried forward \$11,542 30

Brought forward \$11,542 30

Advertising:

Washington Post	\$12 00	
Washington Critic	11 21	
The Evening Star	14 15	
The Nation	8 25	
Religious Herald	3 00	
Sunday Herald	4 00	
The Forum	6 00	
Public Opinion	5 00	
The Daily Press	12 00	
The New York Examiner	9 00	
The Critic, New York	4 32	
		89 83

Stationery and Printing:

Judd & Detweiler	42 00	
Gibson Brothers	185 51	
Rufus H. Darby	230 95	
		458 46

Sundries:

Incidentals, Dr. Welling	184 82	
Geo. L. Wilkinson, reg'r and librarian	4 00	
J. G. Urquhart, reg'r and librarian	14 00	
Prof. H. L. Hodgkins	15 10	
		217 92
Sundries, N. W. Burchell	15 26	
James B. Lambie	5 61	
		20 87
Lunch for meetings of corporation	60 00	
National Safe Deposit Company, year ending July 3, 1890.	40 00	
Royce & Marean, rent of Gardiner clock	10 00	
Boyd's Directory for 1890	5 00	
H. O. Towles, two dozen chairs for University	36 00	
S. J. Haislett, stereopticon screen for University	5 00	
Alex. Millar, book-case at Prep. School	37 75	
Interest on discounts from Riggs & Co.	249 89	
Payment to Riggs & Co. on account of note, \$2,000, discounted September 29, 1888, to make loan to Medical Faculty for pay- ment of arrears of taxes	500 00	
Refunded to "Willie E. Fitch Fund"	125 00	

\$13,298 02

Cr. balance 1,108 12

\$14,506 14

ACADEMIC FUND.

RECEIPTS:

Tuition: College.....	\$3,248 50	
Deposits for laboratory material.....	15 00	
	<u>\$3,263 50</u>	
Preparatory School.....	6,021 45	
	<u>\$9,284 95</u>	
Dr. balance (disbursements in excess of receipts)	4,151 91	
	<u>\$13,436 86</u>	

DISBURSEMENTS.

Dr. balance per last report	\$1,548 71
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Salaries:

Prof. A. J. Huntington, in full to May 31, 1890	\$1,500 00	
Allowance for house rent, in full to May 31, 1890	300 00	
	<u>\$1,800 00</u>	
Prof. E. T. Fristoe, in full to May 31, 1890	1,500 00	
Allowance for house rent, in full to May 31, 1890	300 00	
	<u>1,800 00</u>	
Prof. S. M. Shute, in full to May 31, 1890	1,500 00	
Allowance for house rent, in full to May 31, 1890	300 00	
Salary as Secretary of Faculty, academic year 1888-'89	40 00	
	<u>1,840 00</u>	
Prof. A. P. Montague, in full to May 31, 1890	1,500 00	
Allowance for house rent, in full to May 31, 1890	300 00	
	<u>1,800 00</u>	
Prof. J. Howard Gore, in full to May 31, 1890	1,500 00	
Prof. Howard L. Hodgkins, in full to May 31, 1890	900 00	
Prof. Lee Davis Lodge, in full to May 31, 1890	950 00	
Prof. Eugene B. Jackson, in full to Sept. 24, 1889	126 66	
Prof. Edward Roome, in full to May 31, 1890	150 00	
Albert R. Stuart, Jr., instructor, in full to May 31, 1890	273 33	
H. G. Hodgkins, instructor, in full to May 31, 1890	75 00	
Alva C. Starin, for instruction in penmanship	62 00	
	<u>11,276 99</u>	
Carried forward	\$12,825 70	

Brought forward \$12,825 70

MISCELLANEOUS.

Stationery and Printing:

J. D. Free, Jr.	\$92 79	
Gibson Bros.	12 50	
W. E. Stockett & Co.	6 25	
Wm. Ballantyne & Son	2 25	
		113 79

Advertising:

Washington Post	28 61	
Washington Critic	15 85	
The Evening Star	63 46	
		107 92

Prizes and Premiums:

Medals, Harris and Shafer	98 95	
"Willie E. Fitch" prize, C. P. Townsend	50 00	
		148 95
A. G. Gedney, diplomas		16 00
W. H. Rapley, use of National Theatre for Preparatory Exhibition		100 00
L. Weber, music for College and Preparatory Commencements ..		66 00
G. N. Ryder, agent, American Cyclopaedia of Biography for Preparatory School ..		36 00
Refunded tuition—W. E. H. Searcey, Jr., College ..		22 50
		\$13,436 86

LAW FUND.

Balance per last report \$3,186 36

RECEIPTS:

Tuition: Regular	\$10,108 00	
Post-Graduate	1,002 50	
		\$11,110 50
M. M. Parker prize	50 00	
A. T. Britton prize	50 00	
Diplomas	146 00	
		11,356 50
		\$14,542 86
Carried forward		\$14,542 86

Brought forward \$11,512 86

DISBURSEMENTS.

Salaries :

Prof. Walter S. Cox, in full to May 31, 1890	\$3,000 00	
Prof. William A. Maury, in full to May 31, 1890	3,000 00	
One-third of \$1,002.50, Post-Graduate.....	334 17	
Prof. H. E. Davis, one-third of \$1,002.50, Post-Graduate	334 17	
Prof. A. S. Worthington, in full for course.....	375 00	
Hon. J. M. Harlan, in full for course.....	500 00	
		\$7,543 34

MISCELLANEOUS.

Diplomas :

Engraving, A. G. Gedney	100 00	
Engrossing, E. B. Hay	36 50	
Ribbon, Guy, Curran & Co.....	6 50	
		143 00

Prizes and Premiums :

S. A. Hobson, First Essay prize.....	40 00	
Milton B. Gilmore, Second Essay prize.....	30 00	
William C. Stuart, Third Essay prize.....	20 00	
William H. Stayton, Senior Class prize ..	100 00	
James C. Bushby, one-half Post-Graduate prize	25 00	
Clarence A. Brandenburg, one-half Post-Graduate prize	25 00	
		240 00

Stationery and Printing :

Judd & Detweiler	43 00	
R. O. Polkinhorn	7 50	
E. Morrison	14 75	
		65 25

Advertising :

The Evening Star	88 08	
Washington Post.....	91 08	
Washington Critic	47 37	
Daily Press	15 00	
Washington Law Exchange.....	15 00	
		256 48

Carried forward \$8,248 07 \$11,512 86

Brought forward..... \$8,248 07 \$14,542 86

Law Books:

Bancroft-Whitney Co., American State Reports.....	\$24 00	
W. H. Morrison, New York, Illinois, and Massachusetts Reports	723 00	
W. H. Lowdermilk & Co., D. C. Revised Statutes	4 00	
David M. Oliver, Mackey's Practice and Procedure	8 00	
		759 00
W. H. Rapley, use of National Theatre for Law Commencement	100 00	
Tuition refunded, Howard B. Abbott	5 32	
		9,112 39
Balance		\$5,430 47

CORCORAN SCIENTIFIC SCHOOL FUND.

Balance per last report..... \$1,371 71

RECEIPTS:

Tuition	\$3,596 38	
Deposits for laboratory material returnable to students	161 25	
		3,757 63
		5,129 34

DISBURSEMENTS:

Salaries: Prof. E. T. Fristoe	\$835 28	
Prof. H. L. Hodgkins.....	623 94	
Prof. S. M. Shute.....	278 90	
Prof. Wm. A. Wansleben	251 46	
Prof. Francis R. Fava, Jr.....	239 93	
Prof. Lee Davis Lodge	112 32	
Prof. J. Mueller	82 50	
Prof. A. P. Montague	61 88	
Prof. W. S. Yeates.....	25 72	
		2,511 93

MISCELLANEOUS:

Minor and Amend, laboratory supplies, &c.....	285 06	
Advertising: Washington Post.....	21 73	
Washington Critic	12 58	
The Evening Star.....	31 35	
		65 66
Carried forward	\$2,862 65	\$5,129 34

Brought forward	\$2,862 65	\$5,129 34
A. G. Gedney, diplomas, including plate.....	76 50	
Prof. E. T. Fristoe, returned laboratory deposits.....	73 19	
Prof. E. T. Fristoe, freight charges on laboratory material	8 59	
		<u>3,020 93</u>
Balance		<u>\$2,108 41</u>

CORCORAN ENDOWMENT FUND.

Balance per last report \$259 56

RECEIPTS:

Note of W. R. Wilson (assumed by Henry M. Newcomb), paid March 27, 1890 2,000 00

INVESTMENTS:

Note of Alice E. and Daniel Birtwell, secured by deed of trust, purchased April 1, 1890.....	\$2,000 00
Note of Miss Mary E. Mann, secured by deed of trust, purchased October 26, 1889.....	300 00
Account with Riggs & Co. overdrawn.....	40 44
	<u>\$2,300 00</u>
	<u>\$2,300 00</u>

ELTON FUND.

Cash balance as per last report and still on hand \$50 64

WILLIE E. FITCH FUND.

RECEIPTS:

Interest from W. F. Nash	\$50 00
Transferred from general fund (\$50 being from arrears law tuition).....	175 00
	<u>\$225 00</u>

INVESTMENT:

Cosmos Club bond No. 72	100 00
Balance in cash	<u>\$125 00</u>

RECAPITULATION.

GENERAL FUND:

Receipts during the year.....\$14,506 14

Dr. balance per last report.....\$30 61

Payments during year:

Salaries.....7,096 17

Miscellaneous.....6,271 24

13,398 02

Cr. balance.....\$1,108 12

ACADEMIC FUND:

Dr. balance per last report.....1,548 71

Payments during year:

Salaries.....11,276 99

Miscellaneous.....611 16

\$13,436 86

Receipts during year.....9,284 95

Dr. balance.....\$4,151 91

LAW FUND:

Cr. balance per last report.....\$3,186 36

Receipts during year.....11,356 50

\$14,542 86

Payments during year:

Salaries.....\$7,543 34

Miscellaneous.....1,569 05

9,112 39

Cr. balance.....5,430 47

CORCORAN SCIENTIFIC SCHOOL FUND:

Cr. balance per last report.....\$1,371 71

Receipts during year.....3,757 63

\$5,129 34

Payments during year:

Salaries.....\$2,511 93

Miscellaneous.....509 00

3,020 93

Cr. balance.....2,108 41

Carried forward.....\$4,151 91 \$8,647 00

Brought forward \$4,151 91 \$8,647 00

CORCORAN ENDOWMENT FUND:

Investments	\$2,300 00
Cr. balance per last report.....	\$259 56
Receipts during year.....	2,000 00
	<u>2,259 56</u>

Dr. balance (account overdrawn) 40 44

ELTON FUND:

Cr. balance per last report (still on hand)..... 50 64

WILLIE E. FITCH FUND:

Receipts during year	225 00
Investments	100 00

Cr. balance	125 00
Net Cr. balance	4,630 29

<u>\$8,822 64</u>	<u>\$8,822 64</u>
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SCHEDULE "B."

Liabilities.

To the Corcoran Endowment Fund:

Note secured on University Building (5 %)	\$18,000 00
Note secured on Law Building and Third-street house (5 %).....	16,000 00
Note secured on Preparatory School Building (6 %)-	4,434 13
	<u>\$38,434 13</u>

To Riggs & Co.:

Note discounted August 31, 1888, 5 %, to pay arrears of taxes on Law Building and deficit in salaries ---	3,000 00
Note discounted August 31, 1889, 4 %, to meet sal- aries of Faculty	2,500 00
	<u>5,500 00</u>

<u>\$43,934 13</u>

SCHEDULE "C."

Investments of the Scholarships.

ELTON FUND.

Chesapeake and Ohio Canal bonds, interest 6 per cent., payable January and July, Nos. 2041, 2053 to 2058, 2060, each \$1,000	\$8,000 00
Nos. 1640, 1641, each \$500	1,000 00
	<hr/> \$9,000 00
Burlington and Missouri River Railroad Co. land- mortgage bond, interest @ 7 per cent., payable April and October, Nos. 3011 and 3012, each \$1,000	2,000 00
Interest collected to April, 1890.	
[With Riggs & Co. as collateral for discount, September 29, 1888, to make loan to Medical Faculty for payment of arrears of taxes on Med- ical Building.]	
United States coupon fours, interest payable Janu- ary, April, July, and October, Nos. 14776, 14783, and 14784, each \$1,000	3,000 00
	<hr/> \$14,000 00
Interest collected to April, 1890.	
[With Riggs & Co. as collateral for discount, August 31, 1888, to pay arrears of taxes on Law Building and deficit in salaries.]	

KENDALL FUND.

Chesapeake and Ohio Canal bonds, Nos. 1642, 1643, each \$500	1,000 00
U. S. 4 per cent. registered bonds, interest payable January, April, July, and October, Nos. 101966, 101967, each \$1,000	2,000 00
Interest collected to April, 1890.	
D. C. 3-65 registered bond, interest payable February and August, No. 3141	1,000 00
Interest collected to February, 1890.	
Note of J. W. Hogg (assumed by J. T. Power, now deceased), dated March 31, 1883, on or before five years, 4 per cent. Secured on lot 31, south grounds Columbian University (1431 Chapin street)	1,875 00
Note extended for three years from March 31, 1888, @ 6 per cent.	5,875 00
Interest paid to March 31, 1890.	
Carried forward	<hr/> \$19,875 00

Brought forward.....	\$19,875 00
FARNHAM FUND.	
Chesapeake and Ohio Canal bond, No. 2164.....	1,000 00
DAVIS FUND.	
Chesapeake and Ohio Canal bond, No. 960.....	1,000 00
CARTER FUND.	
Chesapeake and Ohio Canal bond, No. 2165	1,000 00
WILLIE E. FITCH FUND.	
Note of Wilbur F. Nash, due in five years from December 5, 1883, with interest @ 5 per cent., payable semi-annually, secured by deed of trust on sub-lot 70, in square No. 511	1,000 00
[Note extended for three years, @ 5 per cent.]	
Interest paid to December 5, 1889.	
Cosmos Club bond, No. 72, interest 5 per cent., payable June and December	100 00
	<hr/> 1,100 00
	<hr/> \$23,975 00

NOTE.—The Chesapeake and Ohio Canal bonds contain coupons of July 1, 1864, *et seq.*

SCHEDULE "D."

Investments of the Corcoran Endowment.

BONDS:

Cincinnati municipal coupon bonds, interest $7\frac{3}{8}$ per cent., payable January and July, Nos. 2864 to 2881, 3293 to 3299, 5015 7576, 7583, 7591, 7595, 7689, each \$1,000.....	\$31,000 00
Interest collected to January, 1890.	
United States registered fours, interest payable January, April, July, and October, Nos. 65567 to 65570, 112,936, 112,937, 112,938, each \$100.....	\$700 00
Nos. 57162, 66121, 81177, 92533, each \$1,000.....	4,000 00
	<hr/> 4,700 00
Interest collected to April, 1890.	
Carried forward.....	<hr/> \$35,700 00

Brought forward	\$35,700 00
District of Columbia three-sixty-fives, interest payable February and August:	
Registered, Nos. 3162, 3163, 3164, 3450, 4018, each \$1,000	\$5,000 00
Coupons Nos. 16156, 27291, each \$500	1,000 00
Nos. 2861, 3229, 3230, 3324, 6755, 7179, 7373, each \$50	350 00
	6,350 00
Interest collected to February, 1890.	
City of Warsaw bonds, interest 6 per cent., payable annually, July 1st, Nos. 109, 110, each \$100	200 00
Interest collected to July, 1889.	
Church of the Covenant bonds, interest 5 per cent., payable January and July:	
Nos. 187 to 190, each \$1,000	4,000 00
Nos. 32 to 35, each \$100	400 00
	4,400 00
Interest collected to January 1, 1890.	
Par value of bonds	46,650 00

NOTES:

Two notes of Major T. B. Ferguson, of \$10,000 each,
dated July 31, 1886, payable in two and three years,
respectively, with interest at 5 per cent. per annum,
payable semi-annually, secured by deed of trust on
sub-lot 102, square 212. 20,000 00

Interest paid to January 21, 1890.

Five notes of Charles Losekam, dated November 21,
1884, one for \$3,000, due November 21, 1885, and
four for \$5,000 each, due May 21, 1887, with inter-
est at 6 per cent. per annum, payable semi-annu-
ally, all secured on No. 1323 F street N. W. 23,000 00

Interest paid to May 21, 1890. Payment of notes
extended for 5 years from May 21, 1888, one
year @ 6 per cent. and four years @ 5 per
cent., payable semi-annually.

Note of Mrs. Rebecca Ruter Springer, dated May 24,
1887, payable in 3 years, with interest at 5 per cent.
per annum, payable semi-annually, secured by deed
of trust on parts lots 6, 7, and 8, Law and Carroll's
subdivision of square 690. 7,500 00

Interest paid to May 24, 1890.

Payment of note extended for one year.

Carried forward	\$50,500 00	\$46,650 00
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Brought forward	\$50,500 00	\$46,650 00
Two notes of George Truesdell, of \$1,440 each, dated April 6, 1887, payable in one and two years, respectively, with interest at 6 per cent. per annum, payable semi-annually, secured by deeds of trust on lot 33 and lot 34, Tuttle's subdivision of Widow's Mite, respectively	2,880 00	
Interest paid to April 6, 1890. Time of payment of notes extended.		
Note of Miss Mary E. Mann, dated May 10, 1886, payable in 3 years, with interest at 6 per cent. per annum, payable semi-annually, secured by deed of trust on lots 26, 27, 44, 45, 46, and 47, Lanier Heights	1,000 00	
Interest paid to May 10, 1890.		
Note of Mrs. Emily M. Chamberlin, dated June 10, 1887, payable in one year, with interest at 6 per cent. per annum, payable semi-annually, secured by deed of trust on lot 3, Lanier Heights	1,200 00	
Interest paid to December 10, 1889.		
Note of Rudolf Goldschmid (assumed by Sidney J. Watts), dated February 13, 1888, payable in 3 years, with interest at 6 per cent. per annum, payable semi-annually, secured by deed of trust on sub-lot 133, square 444	2,000 00	
Interest paid to February 13, 1890.		
Note of Alice E. Birtwell and Daniel Birtwell, dated April 1, 1890, payable in three years, with interest at 6 per cent. per annum, payable semi-annually, secured by deed of trust on part of lot 14, in square 865	2,000 00	
(Purchased from proceeds W. R. Wilson note.)		
Note of Mrs. Martha J. Coston, dated May 1, 1888, payable in one year, with interest at 6 per cent. per annum, payable semi-annually, secured by deed of trust on lot 11, block 4, Howard University subdivision of Effingham Place ("Villa Coston")	2,000 00	
Extended for two years from May 1, 1889; interest paid to May 1, 1890.		
Carried forward	\$61,580 00	\$46,650 00

Brought forward	\$61,580 00	\$46,650 00
Note of Wm. F. Holtzman, dated April 16, 1888, payable in three years, with interest at 5 per cent. per annum, payable semi-annually, secured by deed of trust on east 31 feet 5 inches of lot 5, in square 253, No. 1321 F street N. W.	9,500 00	
Interest paid to April 16, 1890.		
Note of Faculty of National Medical College—J. Ford Thompson, M. D., president, and A. F. A. King, M. D., dean—dated July 1, 1887, with interest at 5 per cent. per annum, payable semi-annually; \$250 to be paid annually as a sinking fund for redemp- tion of notes	10,000 00	
Interest paid to January 1, 1890.		
Note of the Columbian University, dated September 20, 1882, payable in one year, with interest at 5 per cent. per annum, payable semi-annually, secured by deed of trust on Law Building and No. 222 Third street	16,000 00	
Purchased from National Savings Bank.		
Note of the Columbian University, dated September 26, 1882, payable in one year, with interest at 5 per cent. per annum, payable semi-annually, secured by deed of trust on original lots 9, 10, 11, and part of 12, square 222 (University Building and grounds) ..	18,000 00	
Purchased from Riggs & Co. March 26, 1888.		
Note of H. H. Barker (assumed by the Columbian University), dated April 9, 1881, payable in three years, with interest at 6 per cent. per annum, pay- able semi-annually, secured by deed of trust on sub- lots 5 and 6, square 250 (Preparatory School Build- ing)	1,431 13	
Purchased from the Louise Home April 9, 1888.		
Note of Robert C. Stickney, dated May 17, 1882, ex- tended to May 17, 1891, with interest at 5 per cent. per annum, payable semi-annually, secured by deed of trust on part of sub-lot 8, square 285, being prem- ises No. 1217 I street N. W.	2,000 00	
Interest paid to Nov. 17, 1889.		
Carried forward	\$121,514 13	\$46,650 00

Brought forward	\$121,514 13	\$46,650 00
Note of Miss Mary E. Mann, dated December 4, 1888, payable in three years, with interest at 6 per cent. per annum, payable semi-annually, secured by deed of trust on lot 59, Lanier Heights.....	300 00	
Interest paid to December 4, 1889.		
Note of Robert W. Fenwick, for subscription	1,000 00	
Sundry notes for subscriptions (believed to be worth- less).....	1,125 00	
Amount of notes.....	123,939 13	
Total	\$170,589 13	

SCHEDULE "E."

Miscellaneous Investments.

District of Columbia coupon bonds:		
Three-sixty-fives, interest payable February and Au- gust, Nos. 16653 to 16656, each \$500	\$2,000 00	
Nos. 7881 and 7882, each \$50	100 00	
		\$2,100 00
Interest collected to February 1, 1890.		
[Bonds with Riggs & Co. as collateral for note of \$2,500, dis- counted August 31, 1889, to pay salaries of professors.]		
Quinsigamond National Bank:		
Certificate No. 5, for five shares	500 00	
Dividends paid to April 1, 1890.		
Two notes of Miss Lillian G. Hayden of \$250 each, dated May 7, 1886, payable in one and two years, respectively, with interest at 6 per cent. per annum, payable semi-annually, secured on lot 49, Lanier Heights	500 00	
Interest paid to May 7, 1890. Time of payment of notes ex- tended.		
Note of Wm. F. Holtzman, dated April 16, 1888, payable in three years, with interest at 5 per cent. per annum, payable semi-annually, secured by deed of trust on east 31 feet 5 inches of lot 5, in square 253, No. 1321 F street N. W.	500 00	
Interest paid to April 16, 1890.		
Carried forward	\$3,600 00	

Brought forward ----- \$3,600 00

Note of William A. Johnson, dated October 20, 1887, on or before three years, with interest at 6 per cent. per annum, payable semi-annually, secured by deed of trust on lot 3, block 4, Belair Heights ----- 688 38

Purchased from proceeds note of Rev. Alex. Crummell, D. D.
Interest paid to April 20, 1890.

Donation from Hon. Gardiner Greene Hubbard :

Cosmos Club bonds, interest 5 per cent., payable June and December, Nos. 118 to 117, each \$100 ----- \$500 00
Interest collected to December, 1890.

Pennsylvania Telephone Company :

Certificate No. 1435, for 12 shares; par value, \$50 each ----- 600 00
Dividends paid to April 1, 1890. ----- 1,100 00

\$5,288 38

SINKING FUND—MEDICAL FACULTY NOTE.

Received from Dr. A. F. A. King, Dean ----- \$500 00

Invested as follows:

Church of Covenant bonds, interest 5 per cent., payable January and July, Nos. 46, 47, and 48, each \$100 ----- \$300 00
Cosmos Club bonds, interest 5 per cent, payable June and December, Nos. 70 and 71, each 100 ----- 200 00
----- 500 00

RECAPITULATION.

Investments of the Scholarships ----- \$23,975 00
Investments of the Corcoran Endowment ----- 170,589 13
Investments of the Sinking Fund, Medical Faculty Note ---- 500 00
Miscellaneous investments ----- 5,388 38

Total ----- \$200,452 51

Schedule "F"—Description and Assessed Valuation of Real Estate.

	Square.	Lot.	Assessed Value of Lot	Value of Improve- ments.	Total Assessed Value.
University Building and Grounds	222	9, 10, 11, & pt. 12	\$58,524 00	\$80,000 00	\$138,524 00
Preparatory School and Grounds	250	Subs. 5 & 6	4,989 00	21,500 00	26,489 00
Medical College	250	Of 6 & of S. 1	6,029 00	5,000 00	11,029 00
Stable lot in rear of Medical College	250	Of 6	2,565 00	1,500 00	4,065 00
Law Building	480	Of sub. 1	3,578 00	8,500 00	12,078 00
Third Street house	Reservation to	S. 2 13.	7,292 00	6,000 00	13,292 00
	"	14	6,293 00	6,000 00	12,293 00
	"	42	4,887 00	12,000 00	16,887 00
	"	43	8,820 00	12,000 00	20,820 00
Admiral Powell property	126	Sub C	1,470 00	12,000 00	13,470 00
Unimproved lots	South of	Of 1	3,079 00	---	3,079 00
"	"	12	2,062 00	---	2,062 00
"	"	13	1,331 00	---	1,331 00
"	"	13	2,214 00	---	2,214 00
"	"	13	2,364 00	---	2,364 00
"	"	16	1,853 00	---	1,853 00
"	"	23	2,139 00	---	2,139 00
"	"	23	325 00	---	325 00
"	West of	3	3,500 00	---	3,500 00
"	"	83	1,422 00	---	1,422 00
"	"	87	295 00	---	295 00
"	"	88	129 00	---	129 00
"	"	89	---	---	---
					\$253,998 00

Schedule "G."—Table of Insurance.

PREMISES.	Amount.	Name of Company.	Location of Company.	N ^{o.} of Policy.	Premium.	Policy Expires.
Law Building-----	\$3,000	Columbia-----	District of Columbia.	1,169	\$12 00	Jan. 29, 1891. 1 yr.
Cutler (Third street) house.	3,000	Firemen's-----	" "	17,531	12 00	Jan. 29, 1891. 1 yr.
	5,000	Arlington-----	" "	4,887	15 00	Jan. 5, 1891. 1 yr.
Preparatory Building-----	5,000	Columbia-----	" "	980	20 00	Nov. 1, 1890. 1 yr.
	2,500	Franklin-----	" "	8,640	10 00	Nov. 1, 1890. 1 yr.
University Building-----	5,000	Columbia-----	" "	1,888	20 00	Jan. 10, 1891. 1 yr.
	5,000	Riggs-----	" "	209	20 00	Jan. 10, 1891. 1 yr.
	5,000	Arlington-----	" "	5,273	20 00	Jan. 10, 1891. 1 yr.
	5,000	Corcoran-----	" "	3,360	20 00	Jan. 10, 1891. 1 yr.
	5,000	Franklin-----	" "	9,171	20 00	Jan. 10, 1891. 1 yr.
Furniture, fixtures, &c., in University Building.	5,000	{ London & Liverpool and Globe----- }	New York Branch.	3,217,702	25 00	June 13, 1890. 1 yr.
Powell house, No. 1707 I street-----	5,000	Franklin-----	District of Columbia.	10,416	12 50	Feb. 11, 1891. 1 yr.
	2,500	Firemen's-----	" "	19,013	6 25	Feb. 14, 1891. 1 yr.

REPORT OF AUDITING COMMITTEE.

To the Corporation of the Columbian University,

GENTLEMEN: The Auditing Committee have examined the bonds, notes, &c., exhibiting the investment of the moneys pertaining to the various endowment funds and the miscellaneous securities of the Corporation now in the hands of the Treasurer, and find the foregoing schedules to be correct, and that the bonds, &c., are now safely kept in the vaults of the National Safe Deposit Company.

We have also carefully examined the foregoing statements of receipts and expenditures during the year ending May 31, 1890, and balances, and find the same to be correct and to agree with the vouchers.

J. ORMOND WILSON.

JOHN T. GIVEN.

THEODORE W. NOYES.

*Annual Financial Report of the Medical Department of the
Columbian University from March 22, 1889, to March 20,
1890.*

1889.

March 22. Cash balance remaining from last account..... \$775 82

1890.

March 20. Total receipts from lecture fees, &c., to date..... 6,795 00

Total receipts..... \$7,570 82

" " Total payments to date..... 6,869 15

" " Balance on hand..... \$701 67

The expenditure of \$6,869.15 may be summarily itemized as follows:

1889.

April 10. To Columbian University, half year's interest on
\$2,000, tax loan, at 5 per cent. per annum..... \$50 00

July 2. To Columbian University, half year's interest on
\$10,000, building loan, at 5 per cent. per annum... 250 00

" " To Columbian University, annual payment of sinking
fund on building loan..... 250 00

Oct. 10. To Columbian University, half year's interest on
\$2,000, tax loan, at 5 per cent per annum..... 50 00

" " To Columbian University, redemption of note for
\$500 on tax loan, due to-day..... 500 00

1890.

Jan. 2. To Columbian University, half year's interest on
\$10,000, building loan, at 5 per cent. per annum... 250 00

March 20. Salary of Prof. J. Ford Thompson..... 450 00

" " " " " W. W. Johnston 450 00

" " " " " A. F. A. King 450 00

" " " " " E. T. Fristoe 450 00

" " " " " William Lee 450 00

" " " " " D. W. Prentiss 450 00

" " " " " D. K. Shute 450 00

" " " " " Wm. M. Gray 300 00

" " " " " Geo. N. Acker 150 00

" " Repairs and fixtures on College Building to date.... 212 97

" " Running expenses for the year, including fuel, gas,
water, electric lighting, janitor, printing, station-
ery, postage, advertising, catalogues, fire insur-
ance, prize, diplomas, commencement expenses,
anatomical material, attorneys' fees, and numerous
sundries 1,706 18

Total expenditures as above stated..... \$6,869 15

Respectfully submitted by—

A. F. A. KING, M. D., Dean.

*Annual Financial Report of the Dental Department of the
Columbian University from March 22, 1889, to March 20,
1890.*

1889.

March 22. Cash balance remaining from last account..... \$312 56

1890.

March 20. Receipts from lecture fees, etc., to date..... 1,247 00

Total receipts \$1,559 56

" " Total expenditures to date 1,164 92

Balance on hand..... \$394 64

The expenditure of \$1,164.92 may be summarily itemized as follows:

Salary of Dr. Chas. R. Davis, demonstrator in charge of Dental Infirmary—9 months at \$45 per month.....	\$405 00
Salary of Prof. J. Hall Lewis.....	35 00
Salary of Prof. Henry C. Thompson	35 00
Salaries of four medical professors in Dental Department, turned over to general fund of Medical Faculty, as by agreement....	140 00
Paid Medical Department, one-fourth of annual interest on \$10,000, building loan	125 00
Dental materials for Infirmary	235 63
Running expenses, including advertising, catalogues, janitor, and a few small sundries.....	189 29

Total expenditures, as above stated..... \$1,164 92

Respectfully submitted by—

A. F. A. KING, M. D., *Dean.*



